

EUROPEAN INVERTEBRATE SURVEY

PROVISIONAL ATLAS OF THE INSECTS OF THE BRITISH ISLES

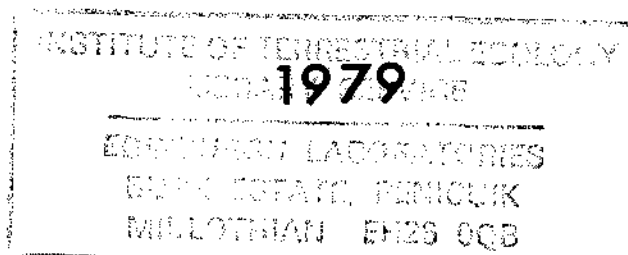
Part 5

HYMENOPTERA: FORMICIDAE

Ants

Edited by K.E.J. BARRETT

SECOND EDITION



BIOLOGICAL RECORDS CENTRE

Institute of Terrestrial Ecology,
Monks Wood Experimental Station,
Huntingdon

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INSTITUTE OF TELECOMMUNICATIONS RESEARCH AND DEVELOPMENT		
12 JUN 1980		
ITE	BUSH	REF 595.796 (+1)

FOREWORD

The first edition of the Provisional Atlas of the Ants (Formicidae) of the British Isles was compiled with data available up to May 1977. We are grateful to Mr Barrett for providing and editing the additional data included in this, the second edition of the Provisional Atlas.

The maps included in this Atlas were prepared under contract to the Nature Conservancy Council as part of its programme of research into nature conservation.

Monks Wood
November 1979

Paul T Harding
John Heath
General Editors

PREFACE TO THE SECOND EDITION

In the preparation of the second edition, the opportunity has been taken to make certain corrections, to up-date the nomenclature used and to include records contributed to the recording scheme up to July 1979. Since the first edition, a new species, *Myrmica hirsuta* Elmes, has been described, bringing the total number of species of ants in the British Isles to forty-seven.

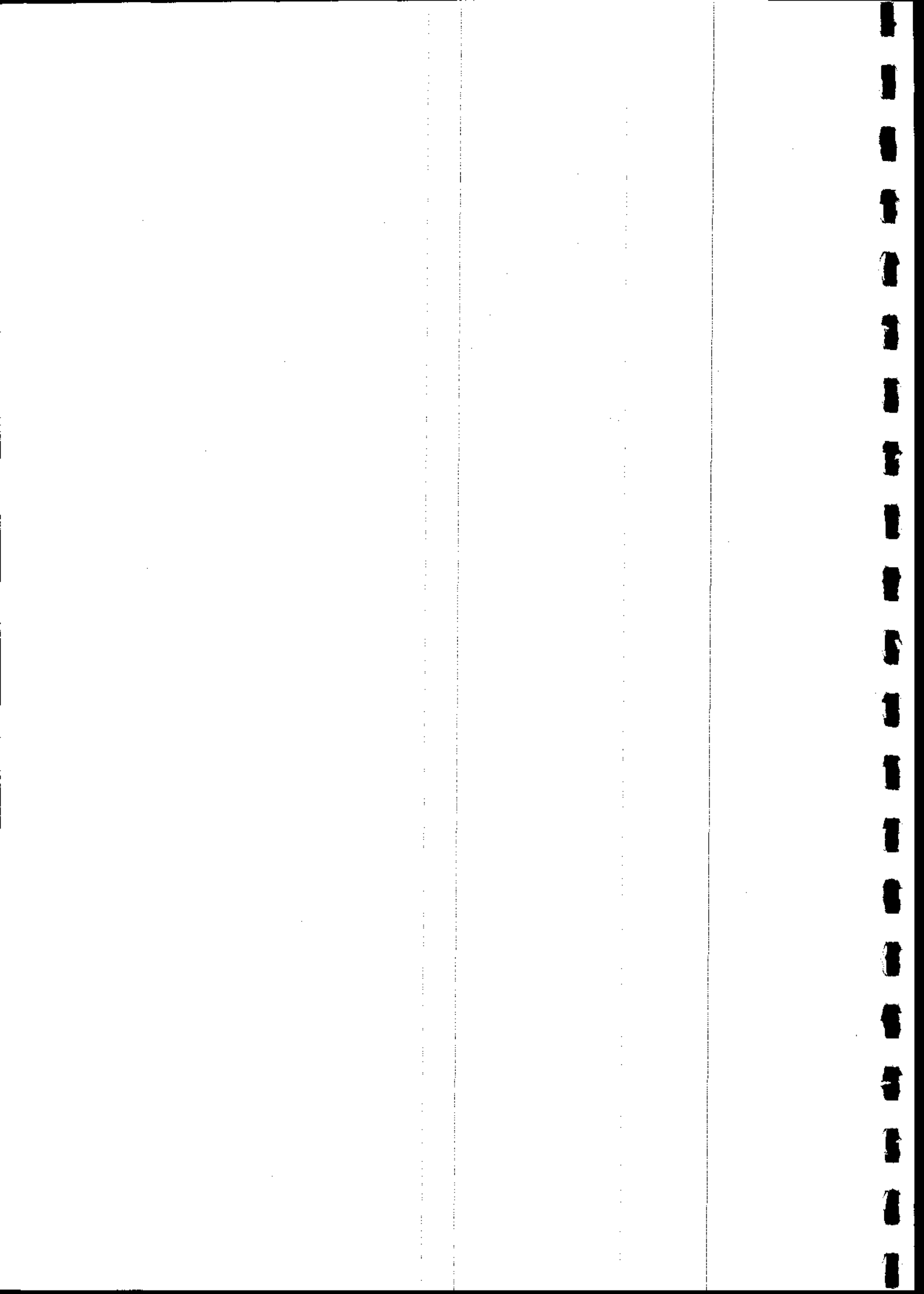
Future recording of ants in the British Isles will be organised through the Bees, Wasps and Ants Recording Scheme co-ordinated by:

G R Else, Esq.
Department of Entomology
British Museum (Natural History)
Cromwell Road
London SW7 5BD

Enquiries for information about the recording scheme and details of any identification services should be addressed to Mr Else.

129 Smiths Lane
Windsor
Berkshire
November 1979

K E J Barrett



INTRODUCTION

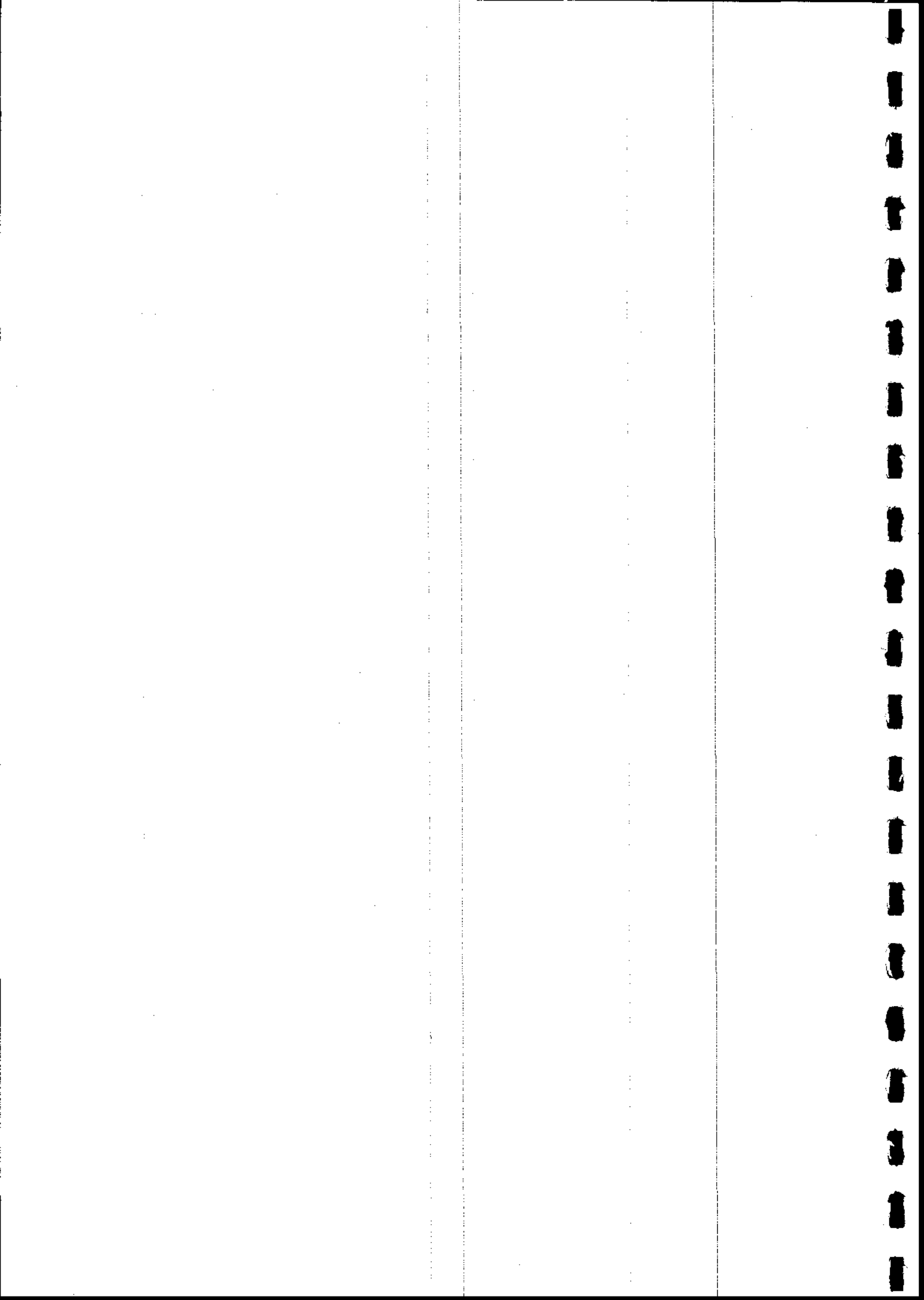
The following maps illustrate the presently known occurrence of 47 species of ants, including 5 only known in the British Isles from the Channel Isles, in the 10 kilometre squares of the Ordnance Survey and Irish National Grids. The maps are based on published records, museum records and, primarily, on field records contributed both by specialist collectors and by participants in the Ant Recording Scheme. This scheme, like many similar schemes concerned with the distribution of the major insect groups, is organised in conjunction with the Biological Records Centre.

Only the species known to be indigenous to the British Isles are represented on the maps. Introduced species, including the doubtfully endemic *Hypoponera punctatissima* (Roger), are not included. Although *Lasius rabaudi* (Bondroit) is currently treated as a synonym of *L. umbratus* (Nylander), the distribution map of this form is retained since the Queen caste is readily separable. Collingwood (1979, *Fauna Entomologica Scandinavica*, 8) considers British material recorded as *L. rabaudi* to be referable to *L. meridionalis* (Bondroit).

It should be pointed out that the absence of records for any given square, particularly in the case of the more abundant and widespread species, may be due more to the absence of records than to the absence of ants. For this reason, a map of all the records obtained is provided for comparison with the species distribution maps so that indication is given of the status of the records and of areas where further recording is required.

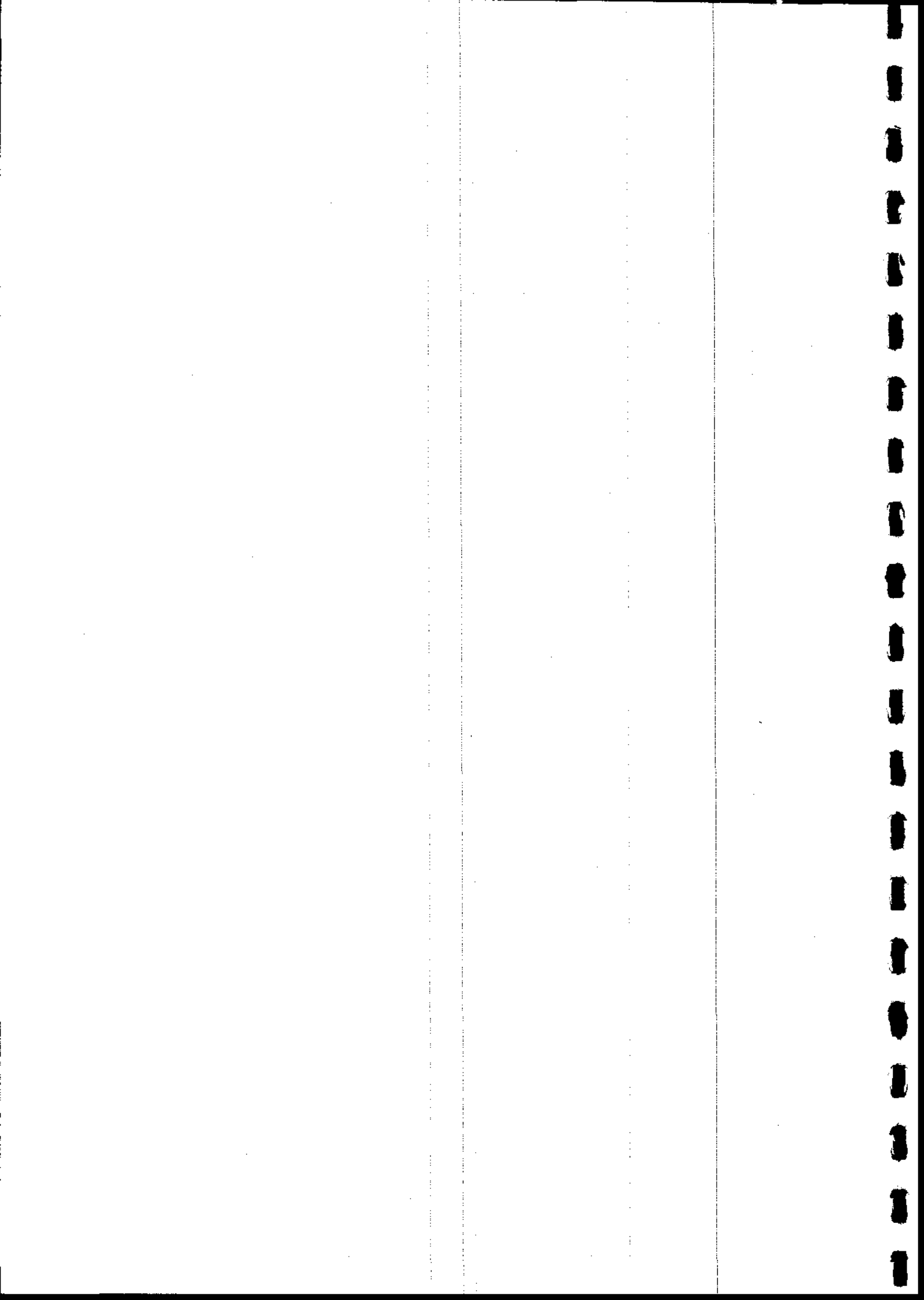
My grateful thanks are due to all those who have generously contributed records to the Ant Recording Scheme to date.

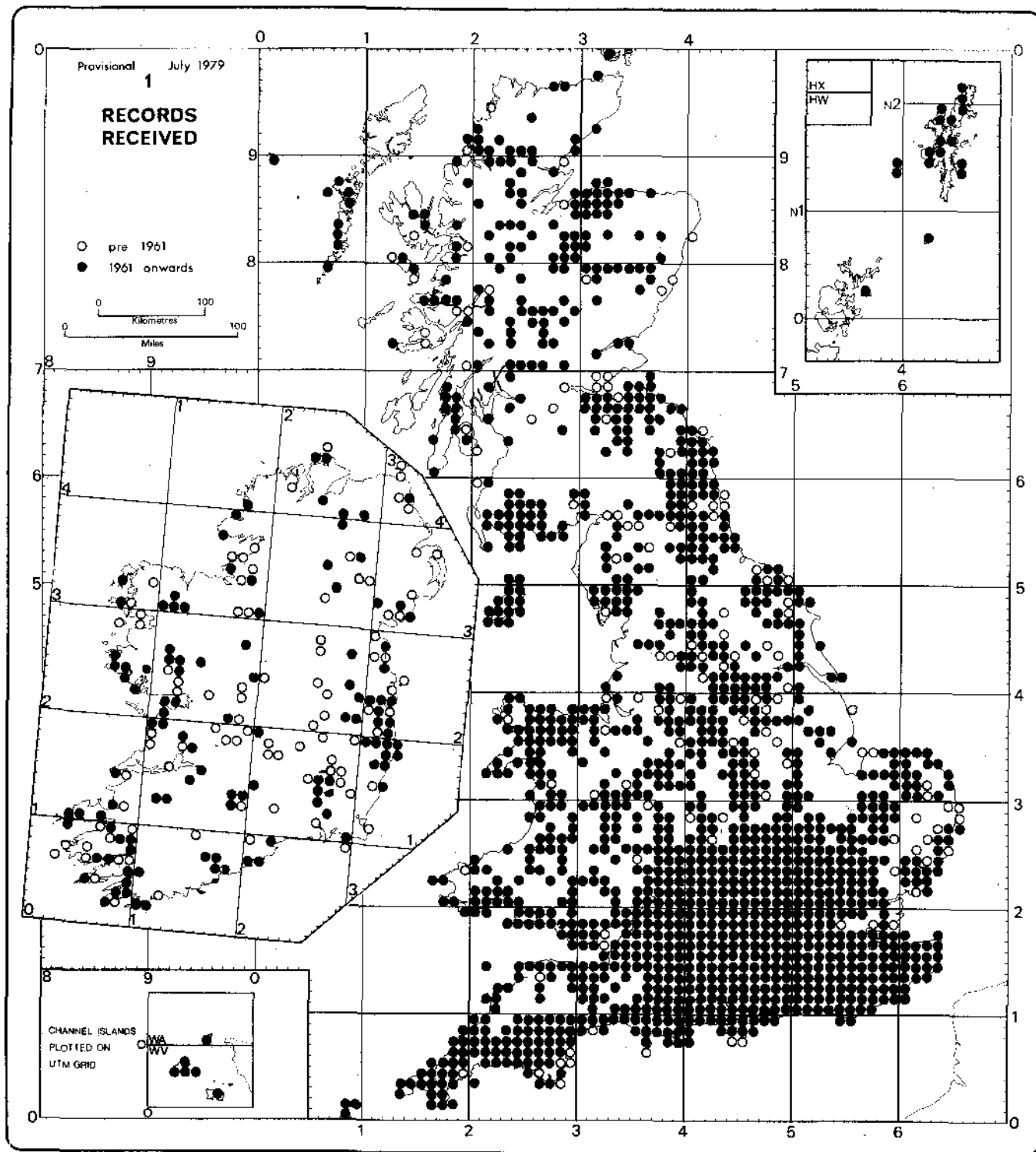
K E J Barrett

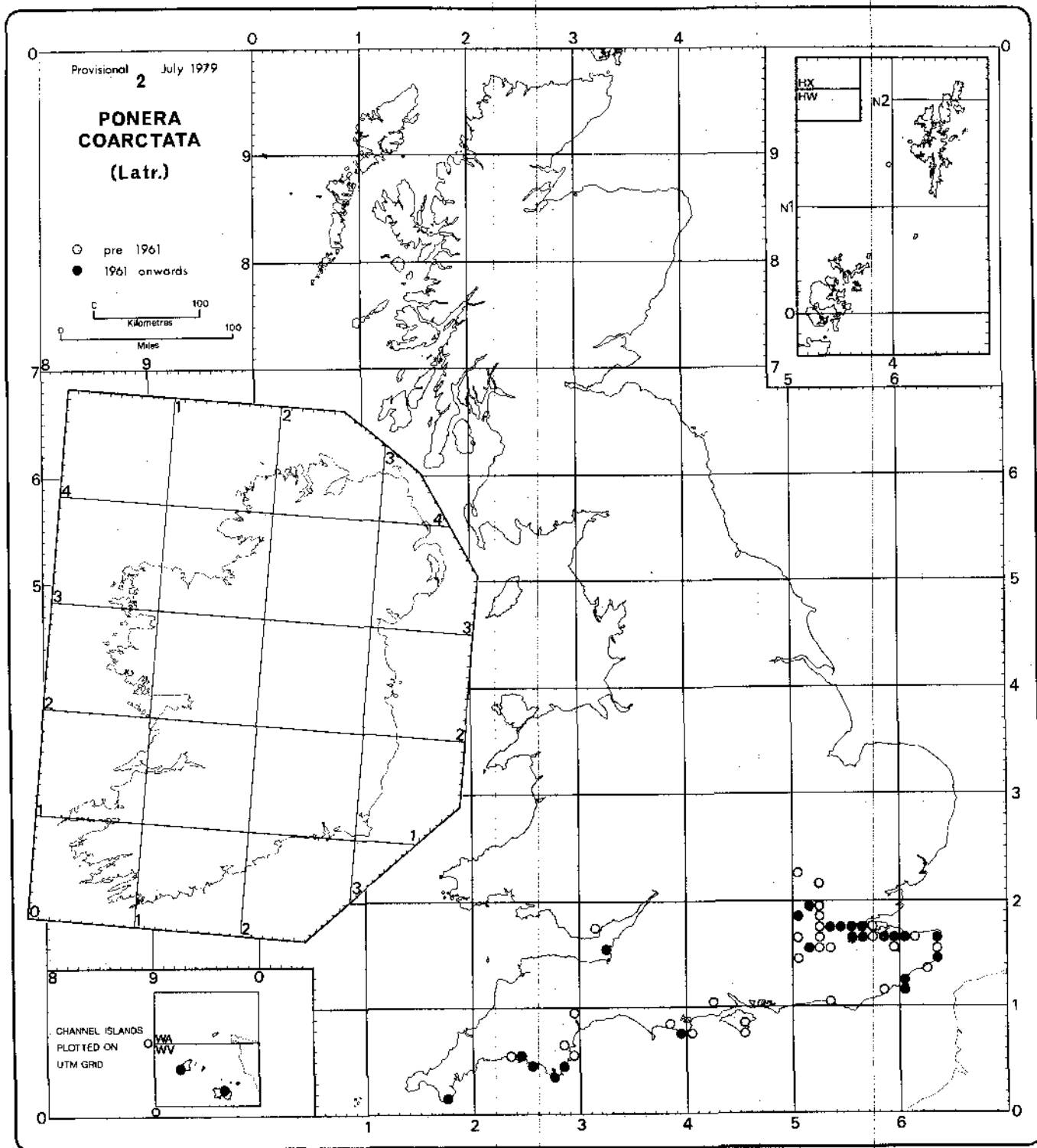


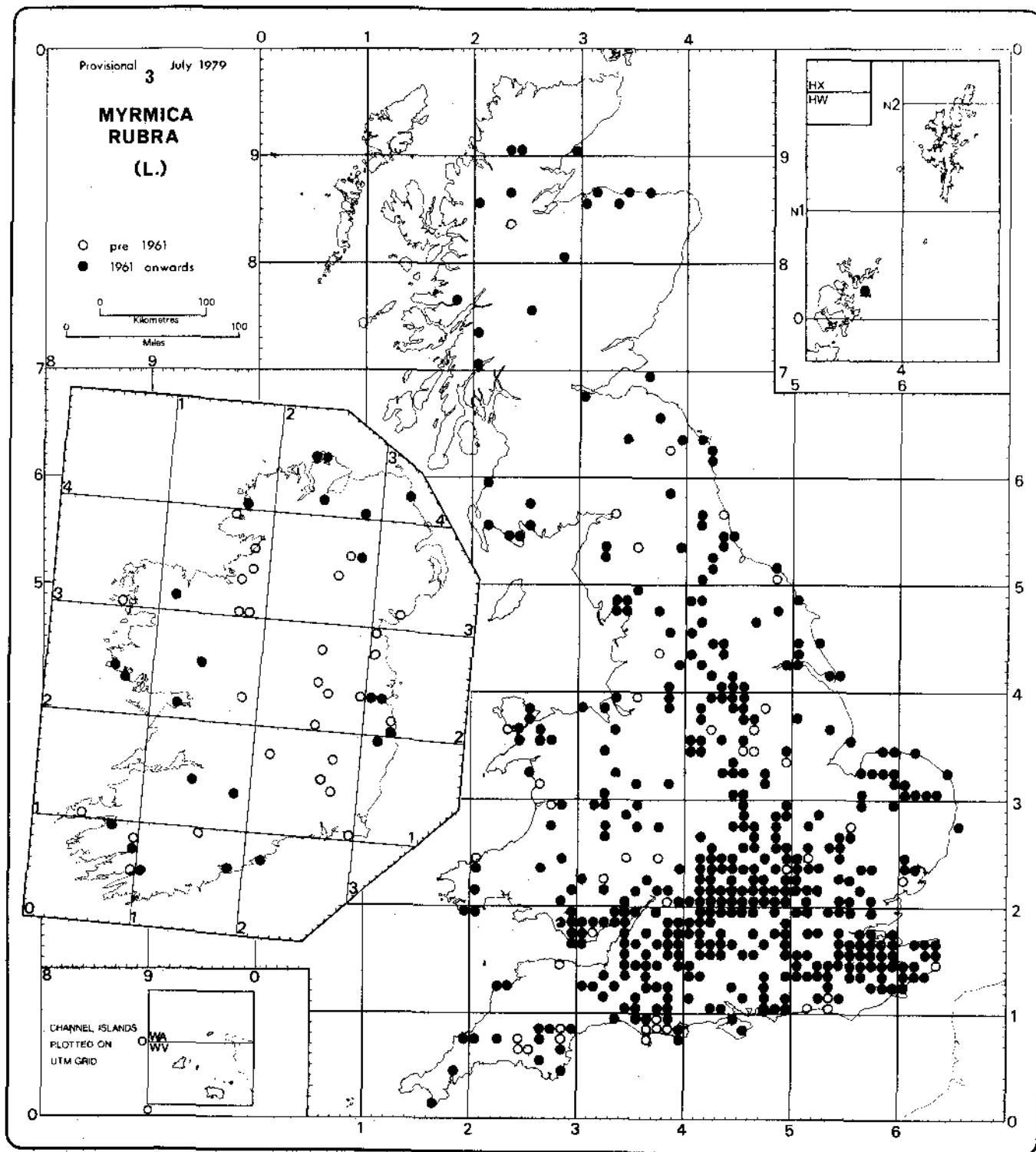
INDEX TO MAPS
RECORDS RECEIVED - MAP 1

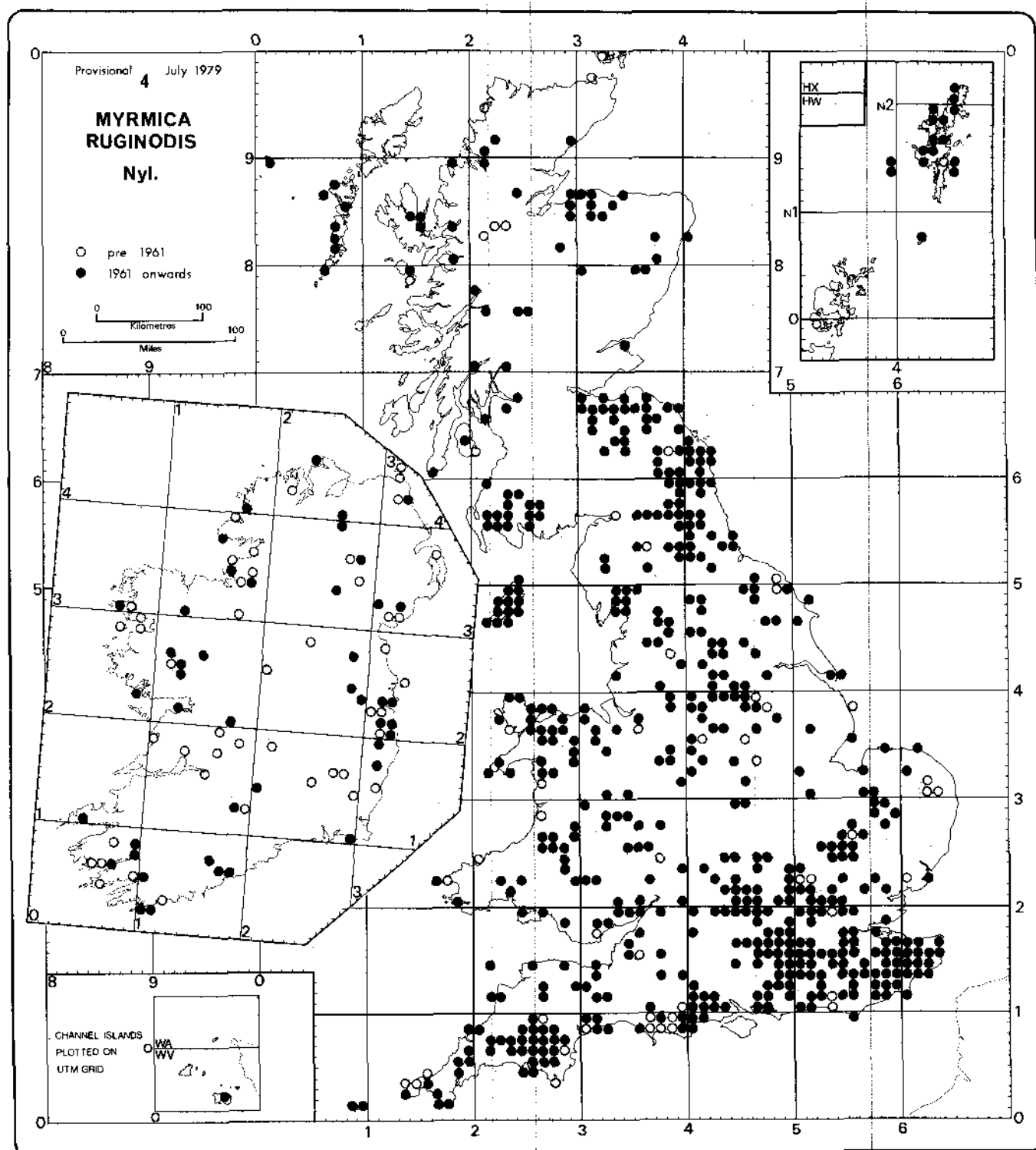
SPECIES	MAP NO.	SPECIES	MAP NO.
<i>Anergates atratulus</i> (Schenck)	26	<i>Leptothorax acervorum</i> (F.)	17
<i>Aphaenogaster subterranea</i> (Latreille)	13	<i>Leptothorax interruptus</i> (Schenck)	21
<i>Formica aquilonia</i> Yarrow	40	<i>Leptothorax nylanderi</i> (Foerster)	18
<i>Formica cunicularia</i> Latreille	46	<i>Leptothorax tuberum</i> (F.)	19
<i>Formica exsecta</i> Nylander	42	<i>Leptothorax unifasciatus</i> (Latreille)	20
<i>Formica fusca</i> L.	44	<i>Myrmecina graminicola</i> (Latreille)	23
<i>Formica lemani</i> Bondroit	45	<i>Myrmica hirsuta</i> Elmes	9
<i>Formica lugubris</i> Zetterstedt	41	<i>Myrmica lobicornis</i> Nylander	11
<i>Formica pratensis</i> Retzius	39	<i>Myrmica rubra</i> (L.)	3
<i>Formica rufa</i> L.	38	<i>Myrmica ruginodis</i> Nylander	4
<i>Formica rufibarbis</i> F.	47	<i>Myrmica sabuleti</i> Meinert	8
<i>Formica sanguinea</i> Latreille	43	<i>Myrmica scabrinodis</i> Nylander	7
<i>Formica transcaucasica</i> Nasonov	48	<i>Myrmica schencki</i> Emery	10
<i>Formicoxenus nitidulus</i> (Nylander)	22	<i>Myrmica specioides</i> Bondroit	6
<i>Lasius alienus</i> (Foerster)	32	<i>Myrmica sulcinodis</i> Nylander	5
<i>Lasius brunneus</i> (Latreille)	33	<i>Plagiolepis vindobonensis</i> Lomnicki	28
<i>Lasius emarginatus</i> Olivier	31	<i>Ponera coarctata</i> (Latreille)	2
<i>Lasius flavus</i> (F.)	34	<i>Sifolinia karavajevi</i> (Arnoldi)	14
<i>Lasius fuliginosus</i> (Latreille)	29	<i>Solenopsis fugax</i> (Latreille)	15
<i>Lasius mixtus</i> (Nylander)	37	<i>Solenopsis monticola</i> Bernard	16
<i>Lasius niger</i> (L.)	30	<i>Stenamma westwoodi</i> Westwood	12
<i>Lasius rabaudi</i> (Bondroit)	36	<i>Strongylognathus testaceus</i> (Schenck)	25
<i>Lasius umbratus</i> (Nylander)	35	<i>Tapinoma erraticum</i> (Latreille)	27
		<i>Tetramorium caespitum</i> (L.)	24

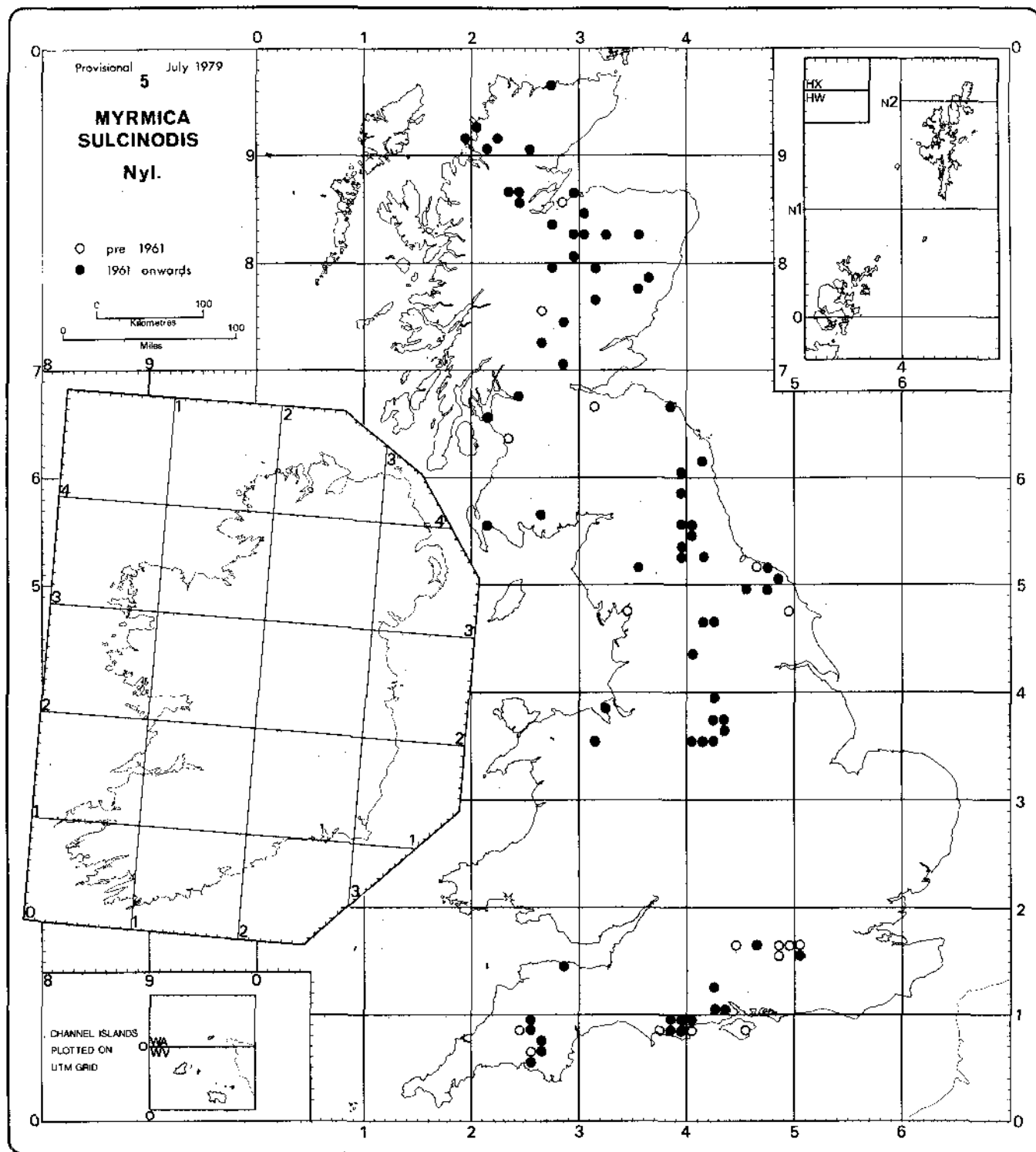


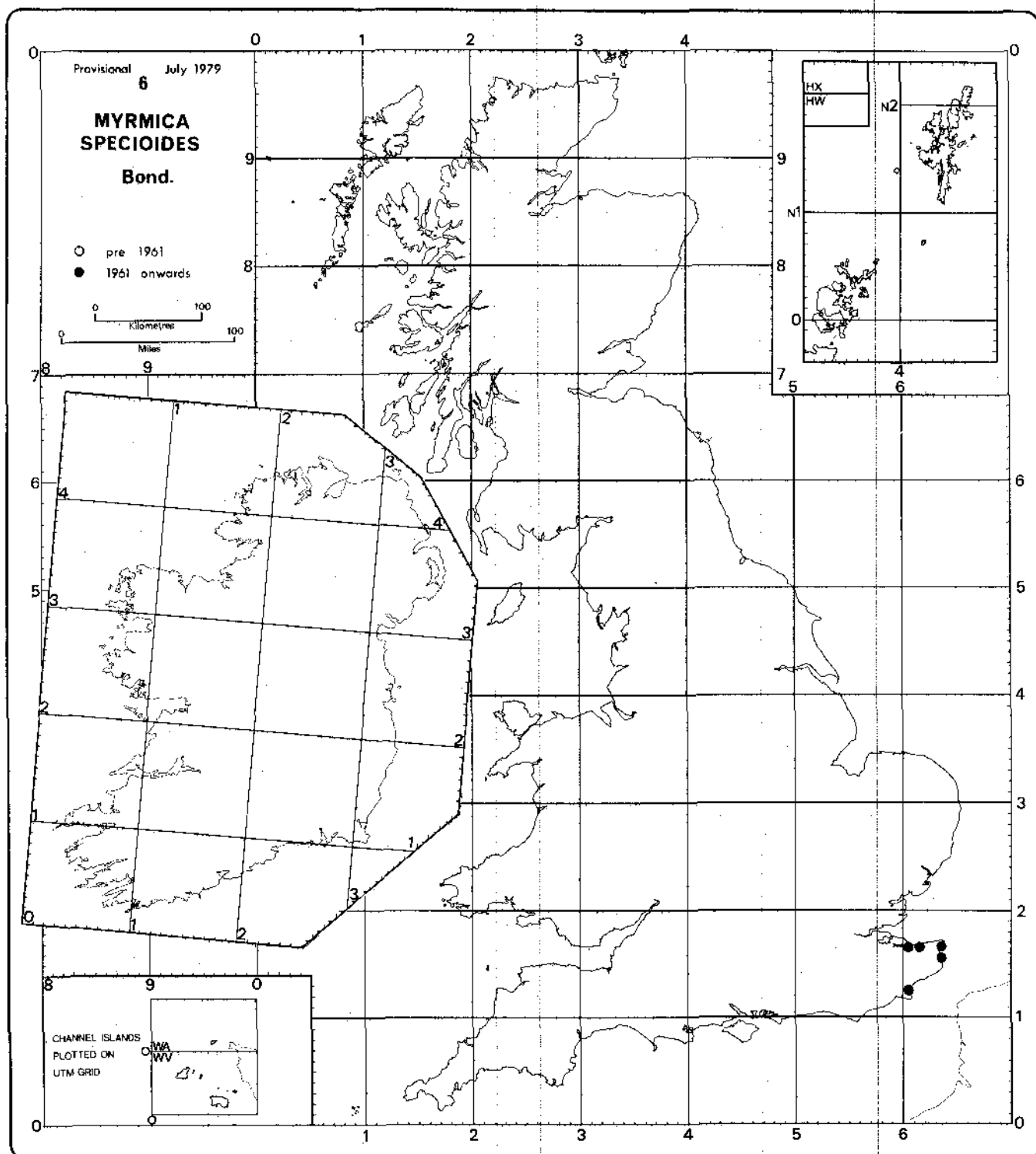










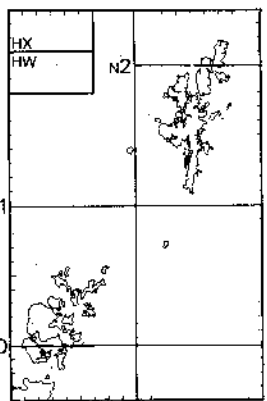


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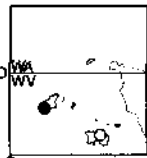
**MYRMICA
SCABRINODIS**
Nyl.

- pre 1961
- 1961 onwards

0 100
Kilometres
0 100
Miles



CHANNEL ISLANDS
PLOTTED ON
UTM GRID



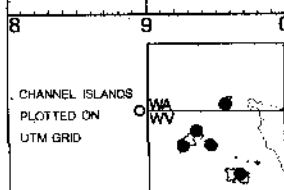
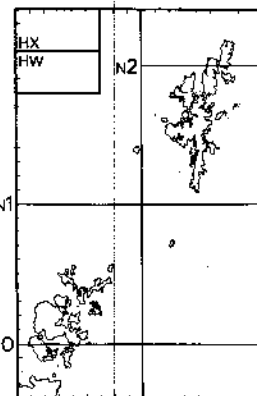
Provisional 8 July 1979

MYRMICA SABULETI

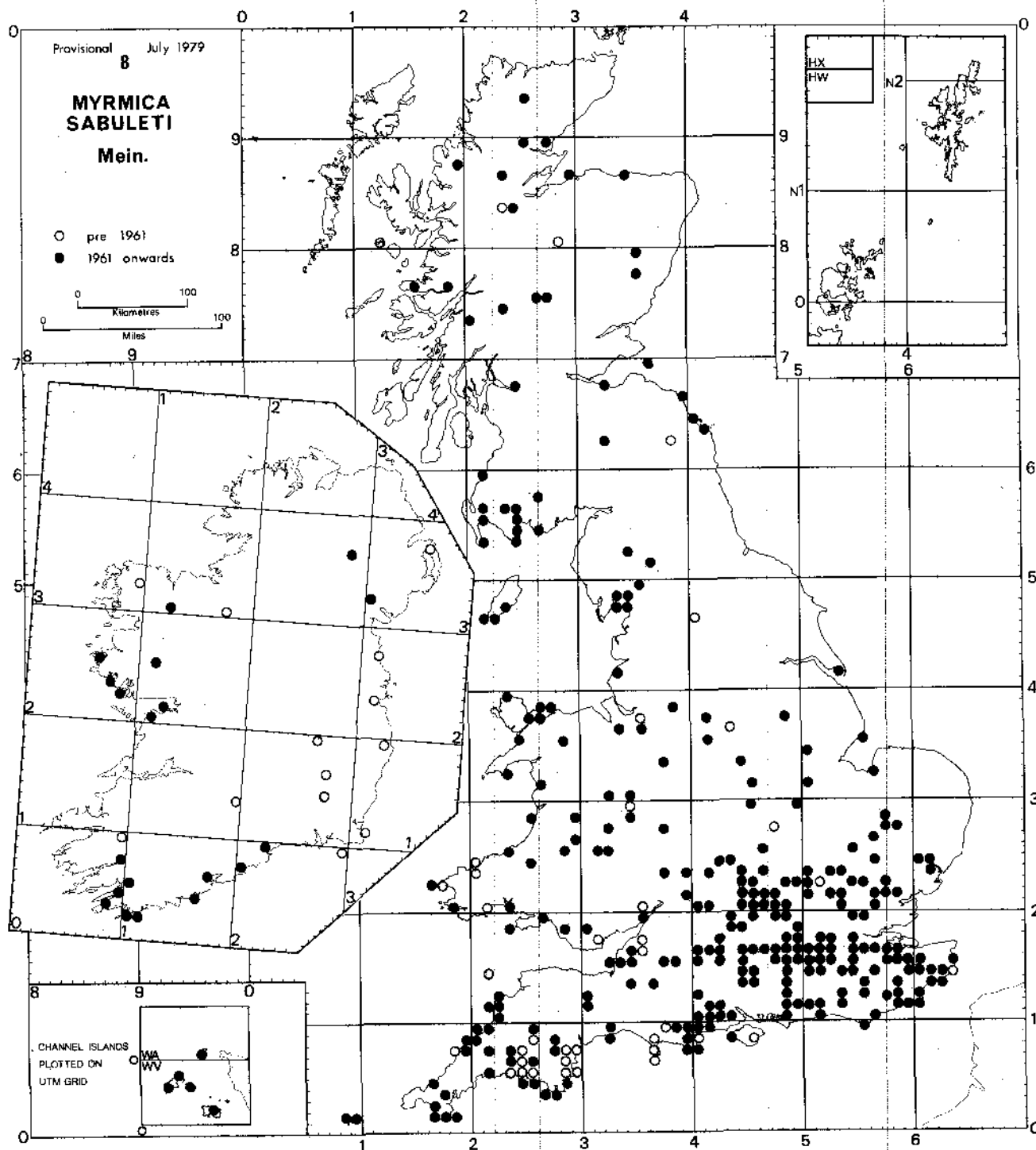
Mein.

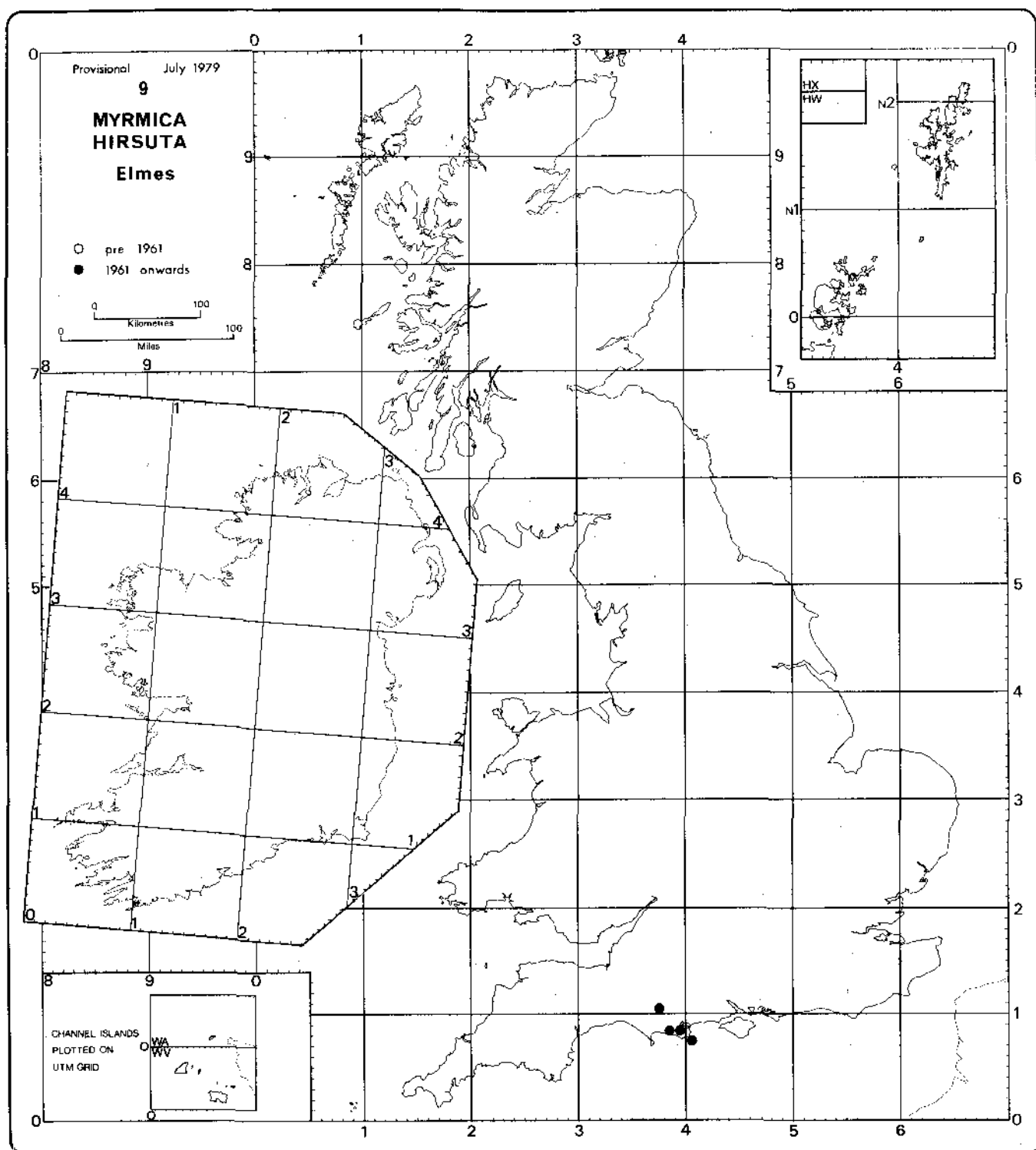
- pre 1961
- 1961 onwards

0 100
Kilometres
0 100
Miles



CHANNEL ISLANDS
PLOTTED ON
UTM GRID





Provisional July 1979

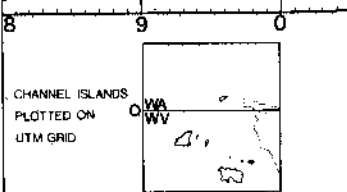
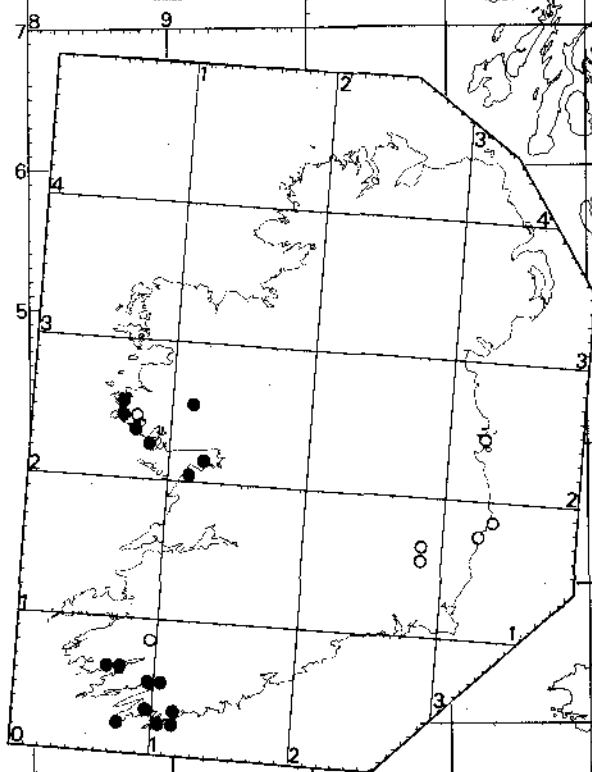
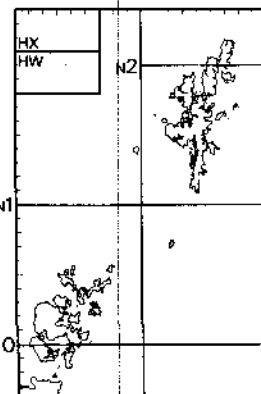
10

MYRMICA SCHENCKI

Em.

- pre 1961
- 1961 onwards

0 100
Kilometres
0 100
Miles

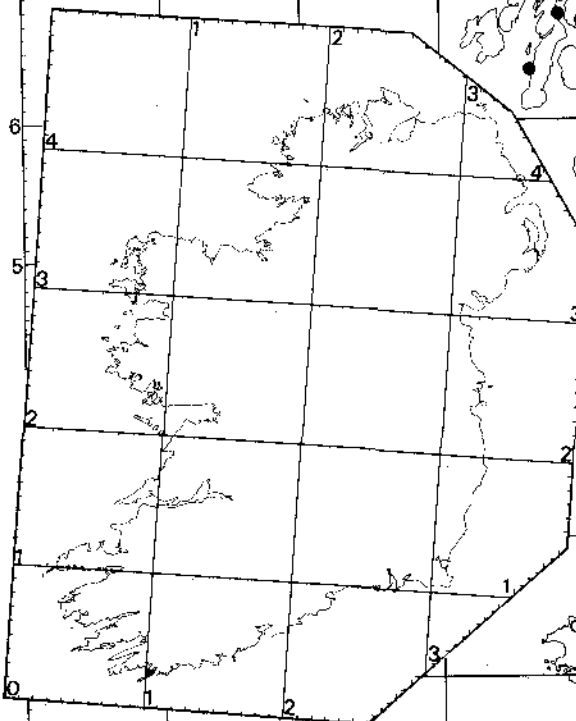
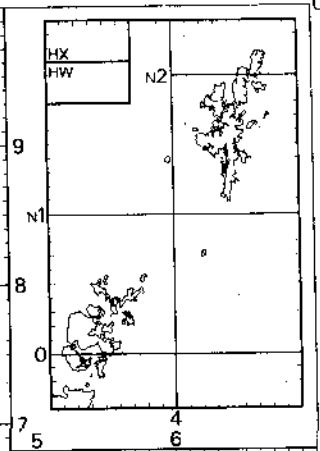


CHANNEL ISLANDS
PLOTTED ON
UTM GRID

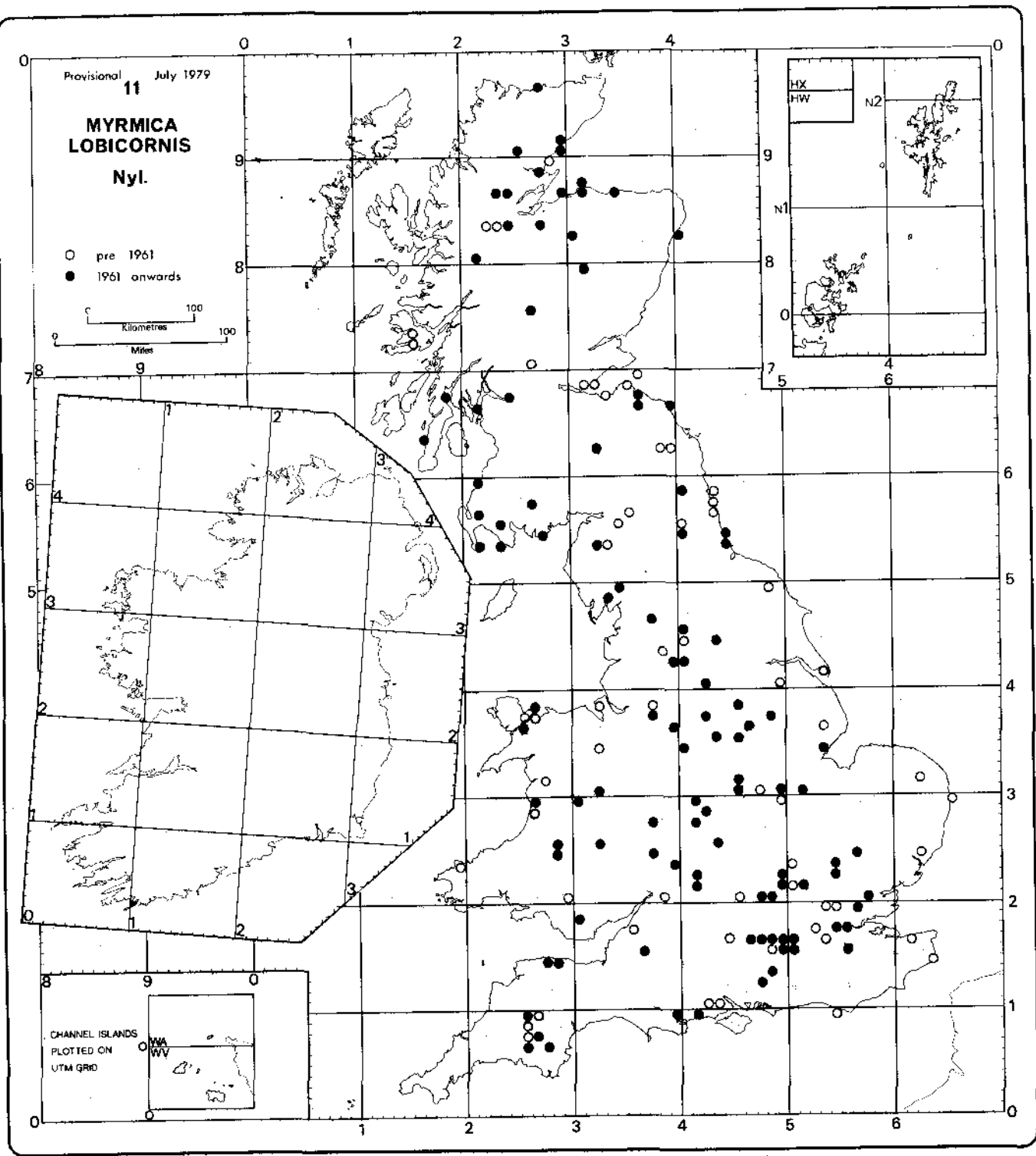
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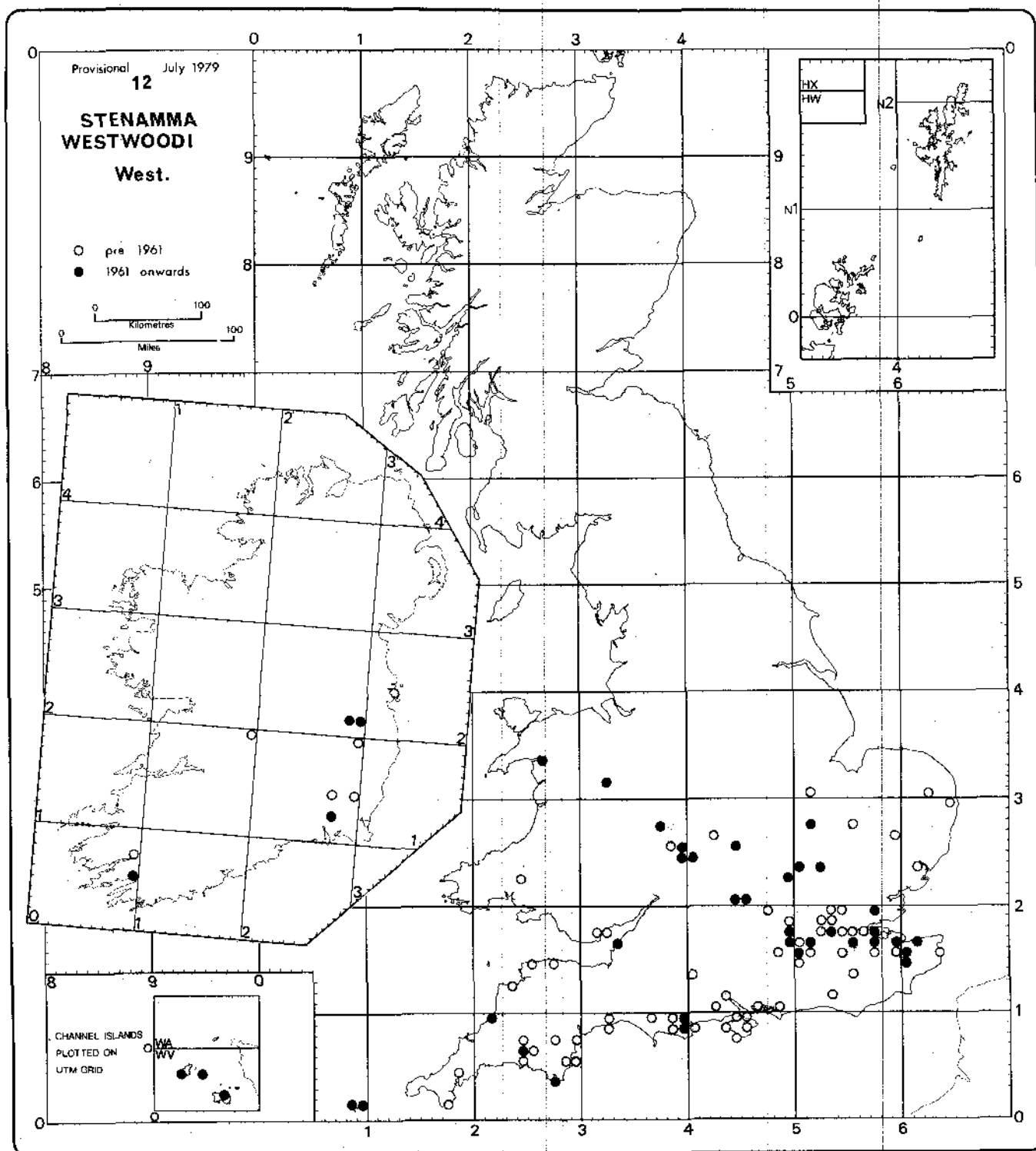
**MYRMICA
LOBICORNIS**
Nyl.

- pre 1961
- 1961 onwards



CHANNEL ISLANDS
PLOTTED ON
UTM GRID



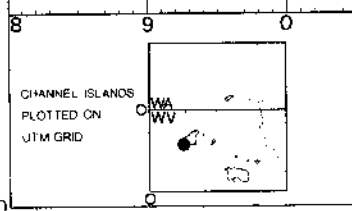
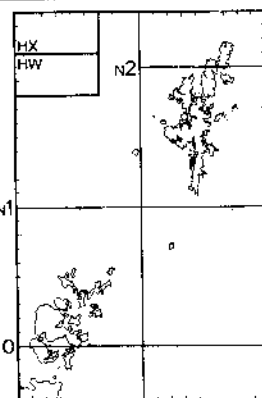


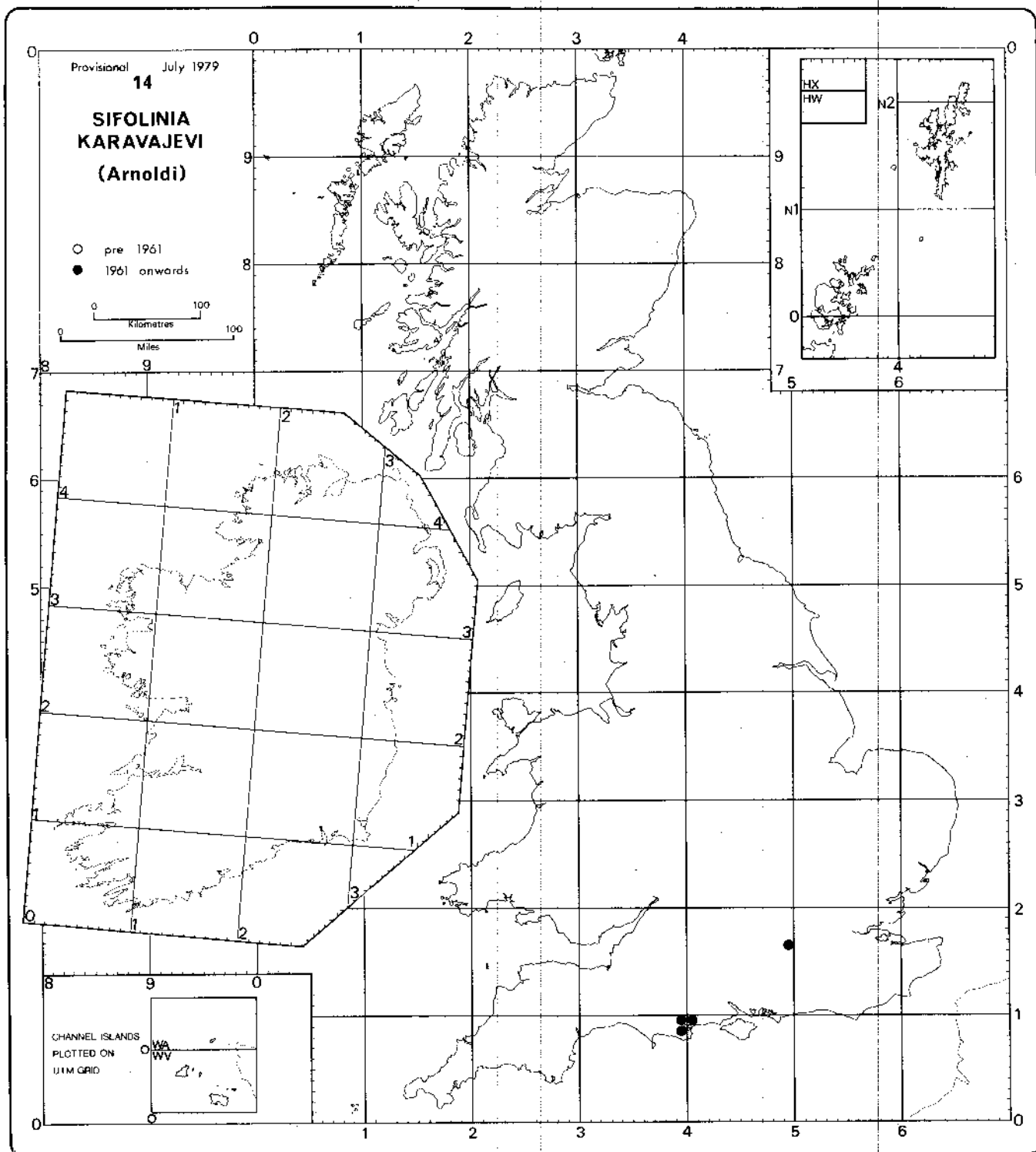
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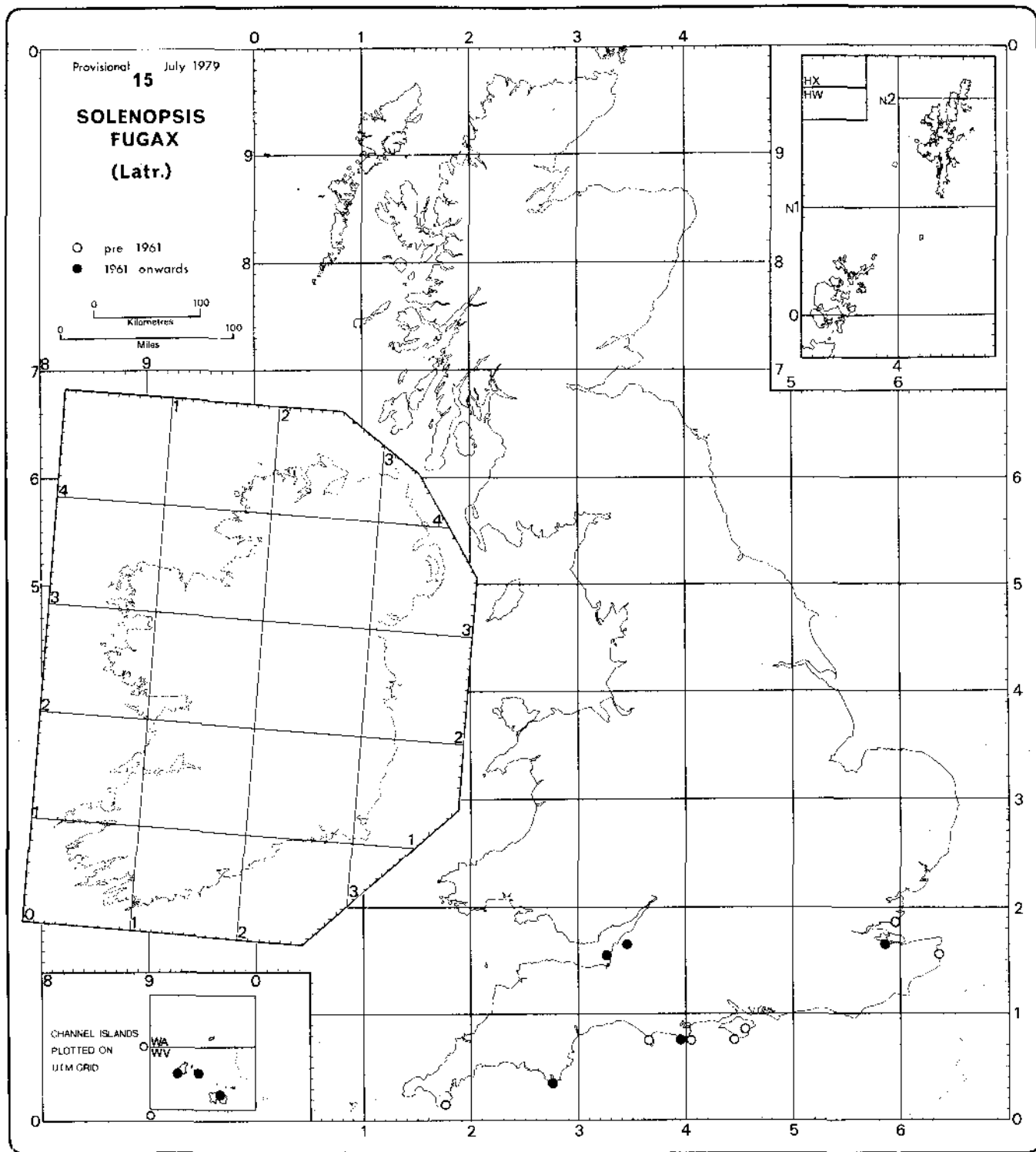
**APHAENOGASTER
SUBTERRANEA**
(Latr.)

- pre 1961
- 1961 onwards

0 100
Kilometres
0 100
Miles





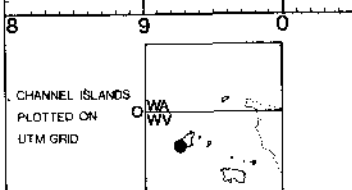
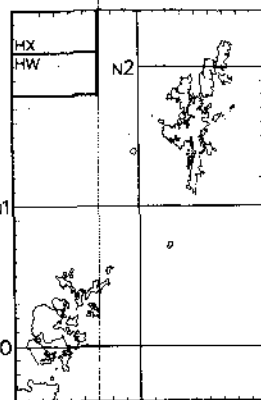


Provisional
16 July 1979

**SOLENOPSIS
MONTICOLA**
Bern.

- pre 1961
- 1961 onwards

0 100
Kilometres
0 100
Miles



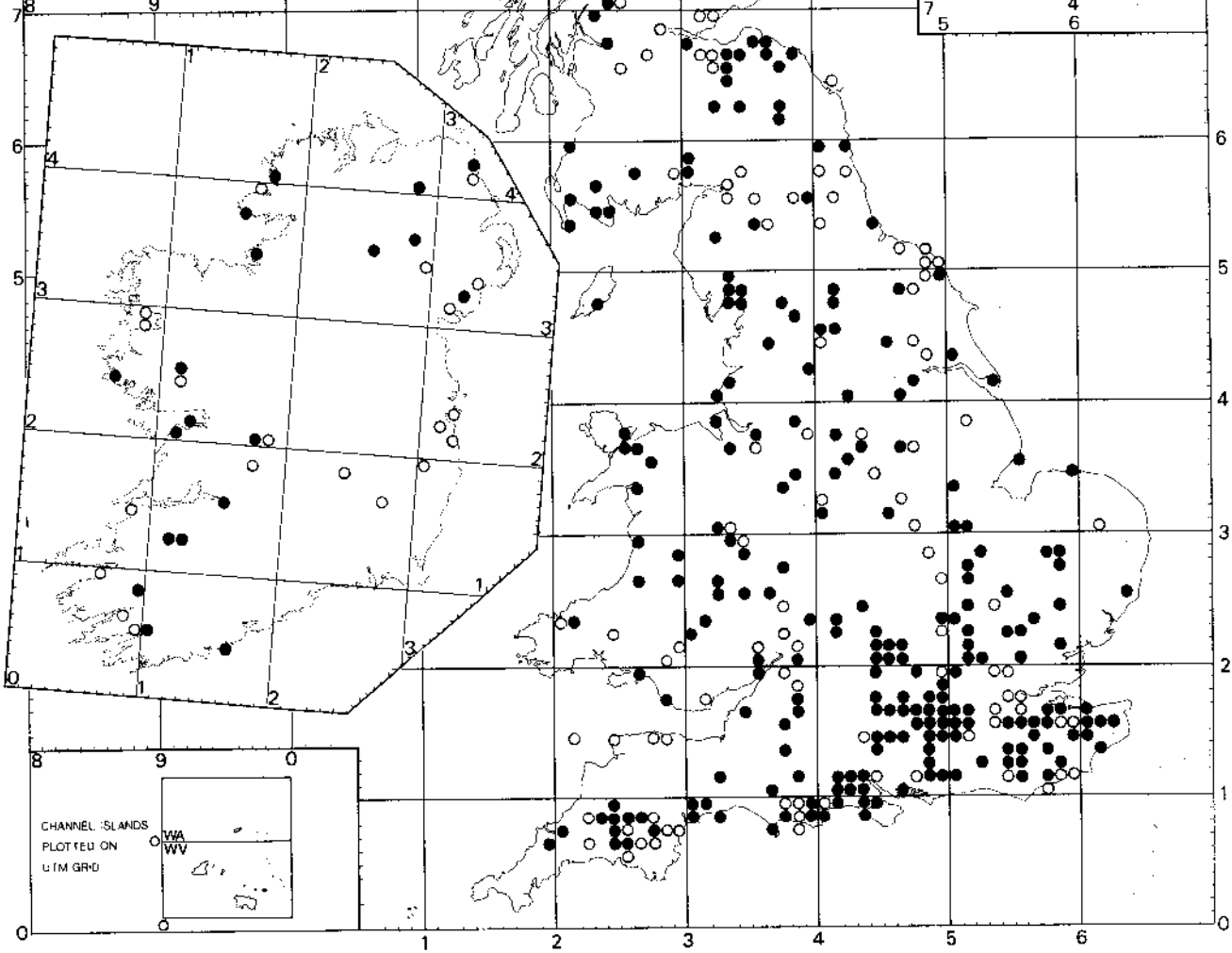
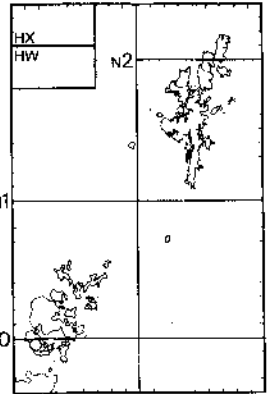
CHANNEL ISLANDS
PLOTTED ON
UTM GRID

Provisional 17 July 1979

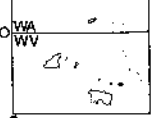
**LEPTOTHORAX
ACERVORUM
(Fab.)**

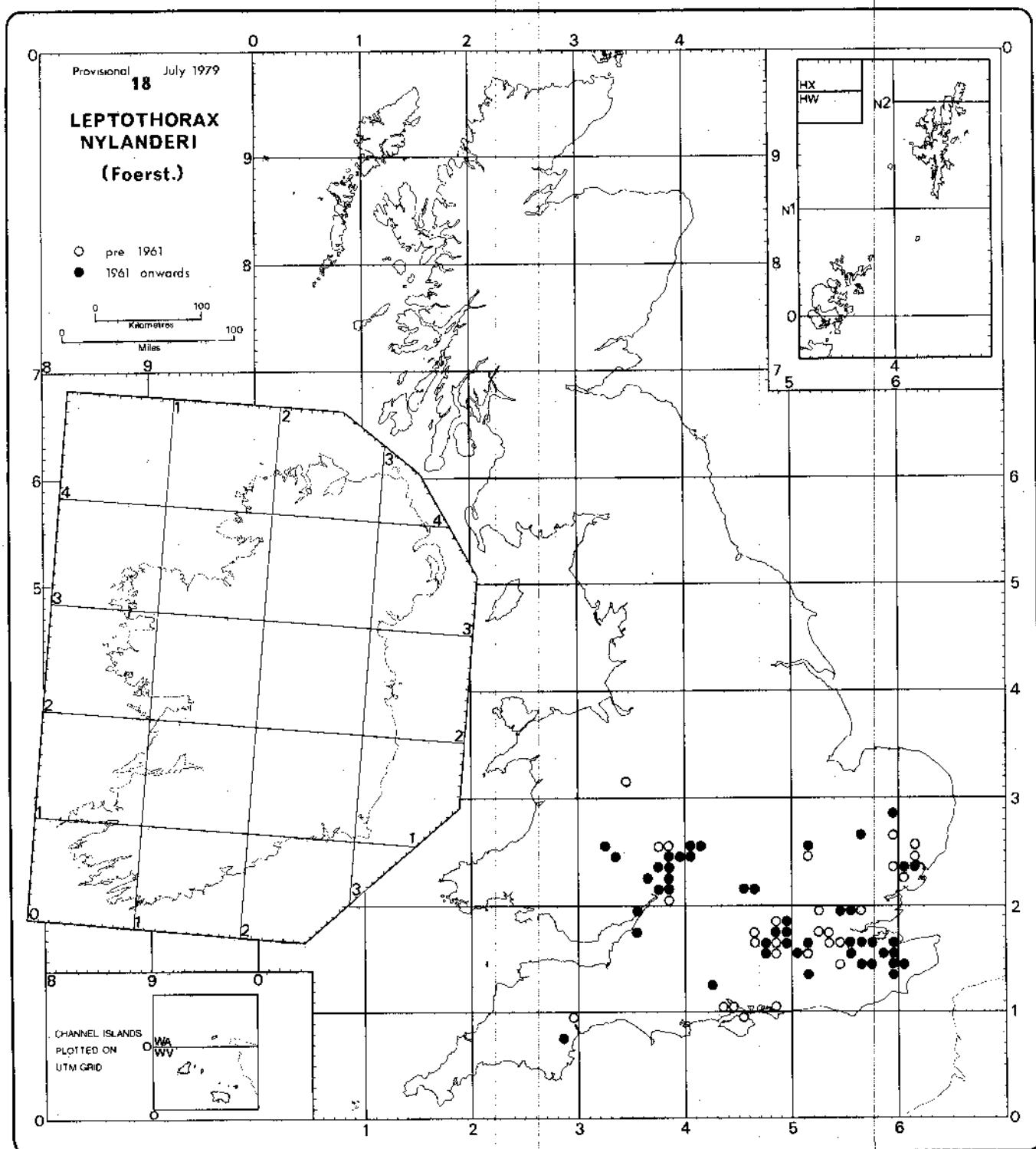
- pre 1961
● 1961 onwards

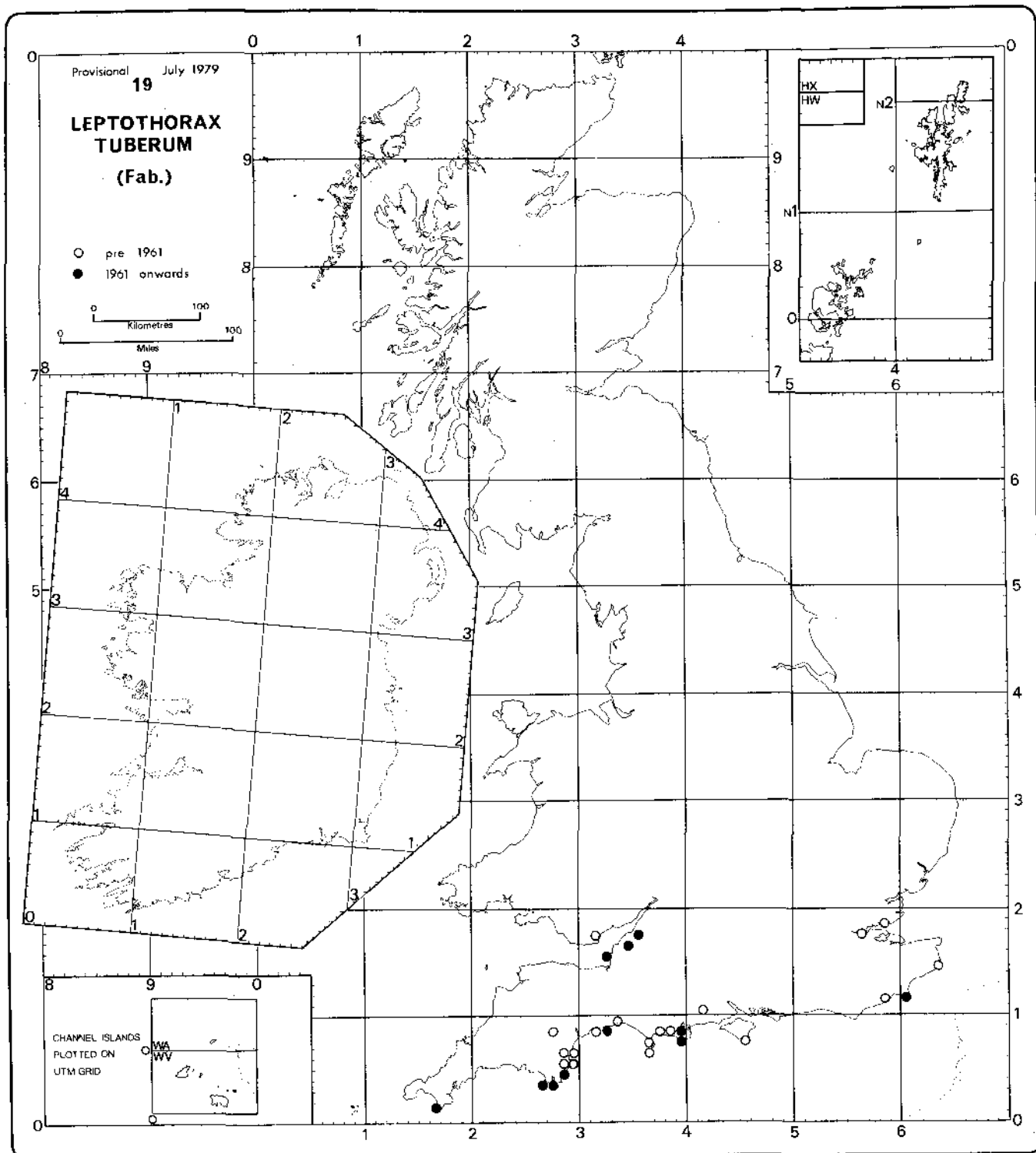
0 100
Kilometres
0 100
Miles



CHANNEL ISLANDS
PLOTTED ON
UTM GRID





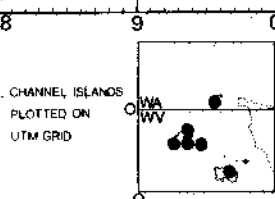
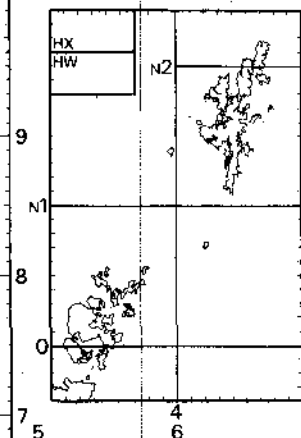


Provisional July 1979
20

**LEPTOTHORAX
UNIFASCIATUS**
(Latr.)

- pre 1961
- 1961 onwards

0 100
Kilometres
0 100
Miles



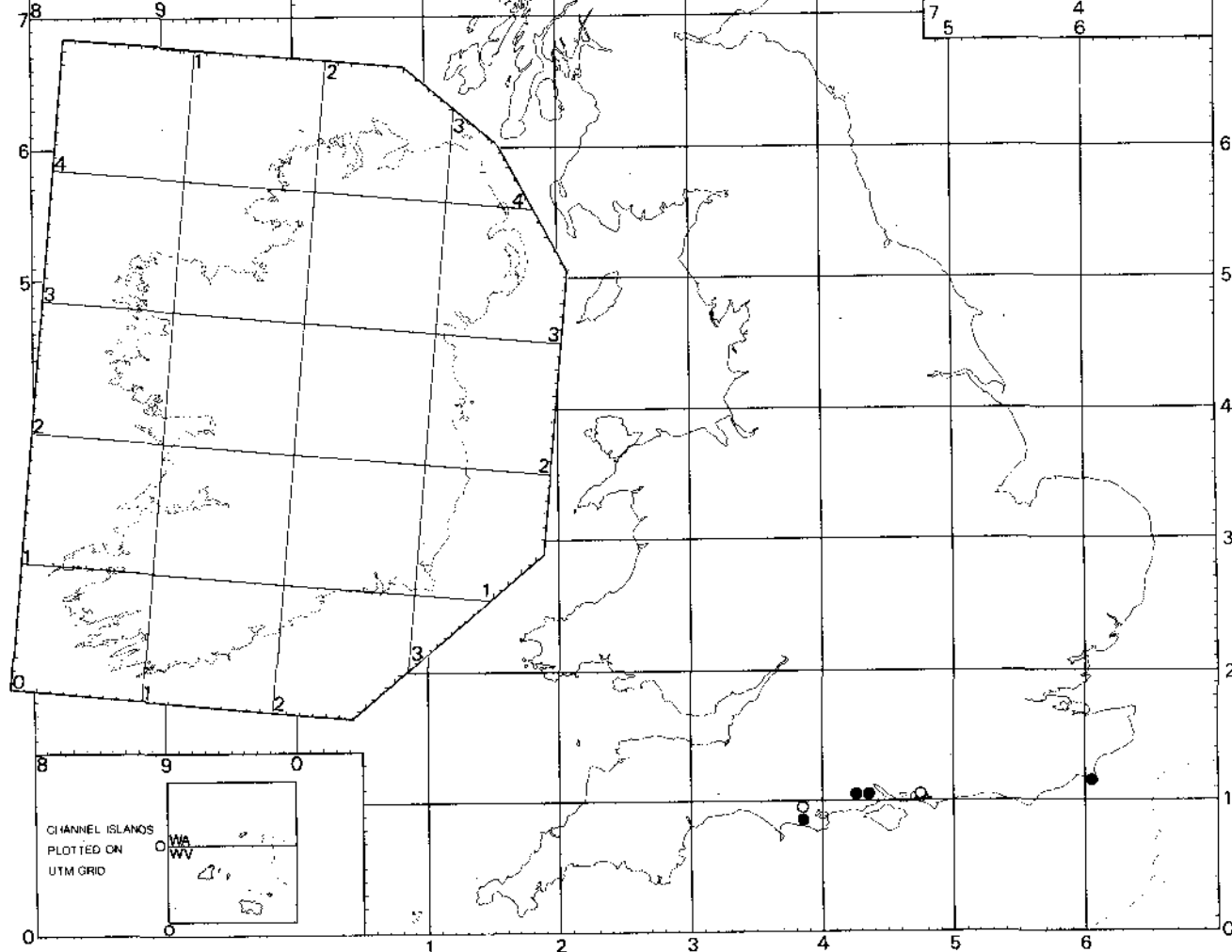
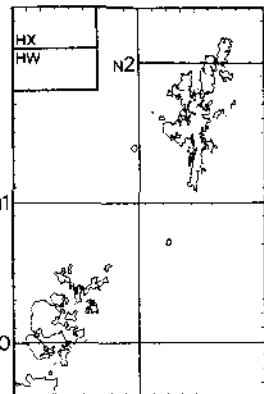
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PLOTTED ON
UTM GRID

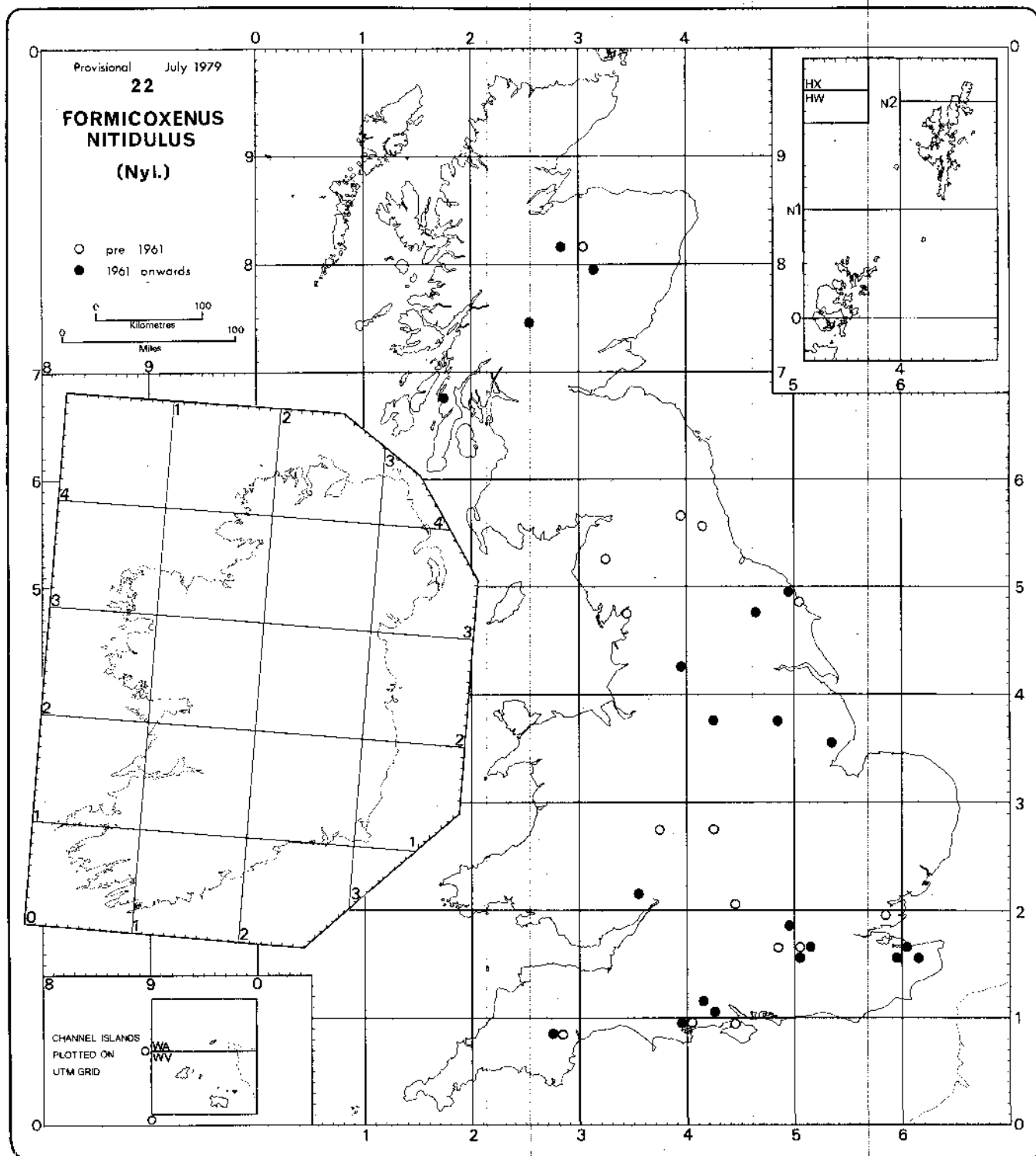
Provisional 21 July 1979

**LEPTOTHORAX
INTERRUPTUS
(Sch.)**

- pre 1961
- 1961 onwards

0 100
Kilometres
0 100
Miles

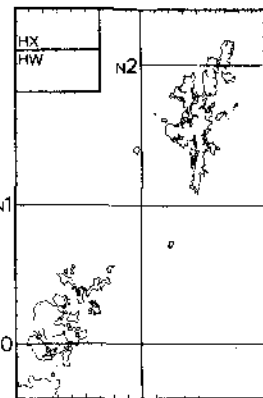




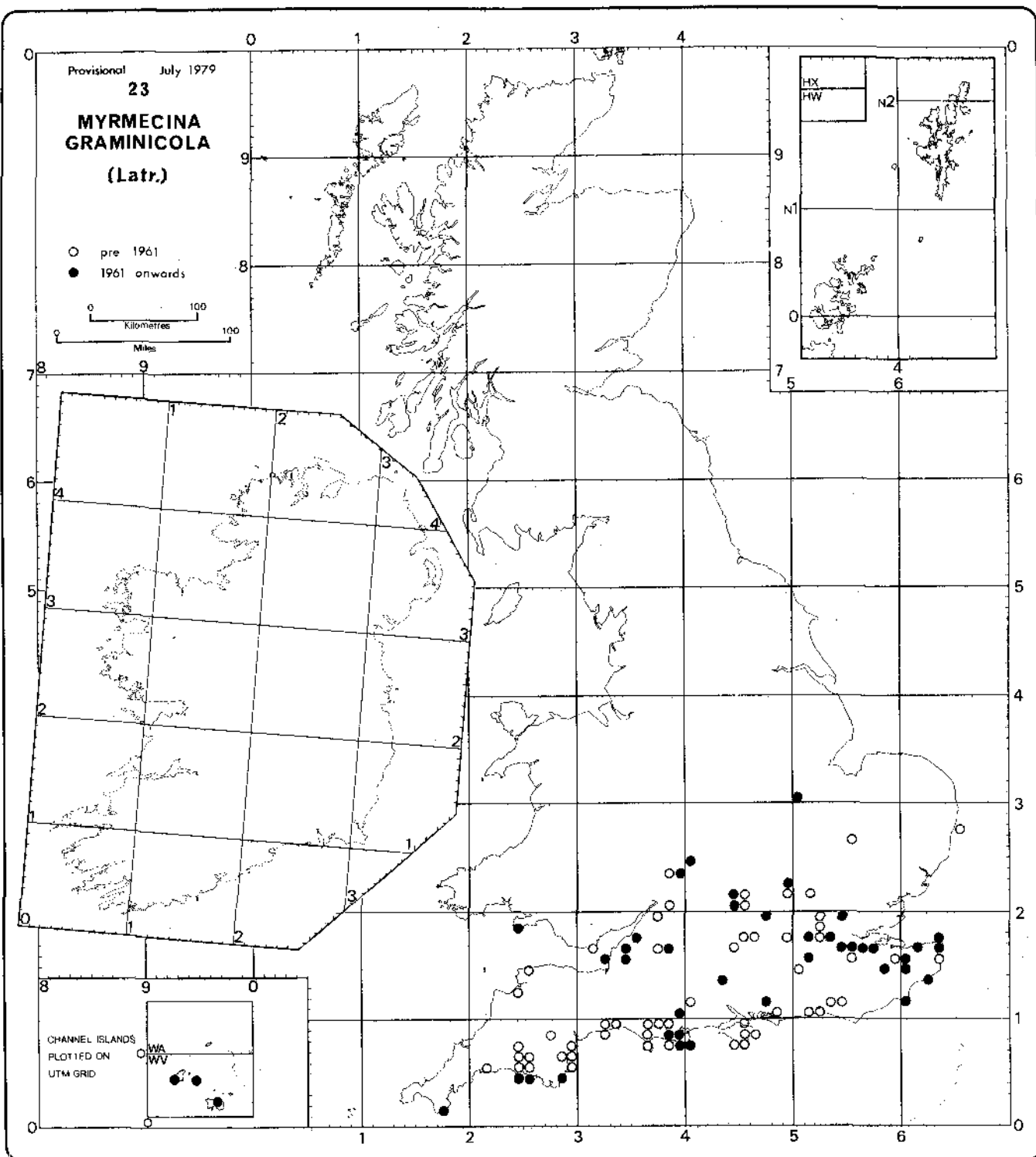
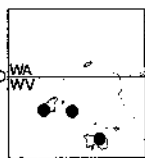
Provisional July 1979
23
MYRMECINA
GRAMINICOLA
(Latr.)

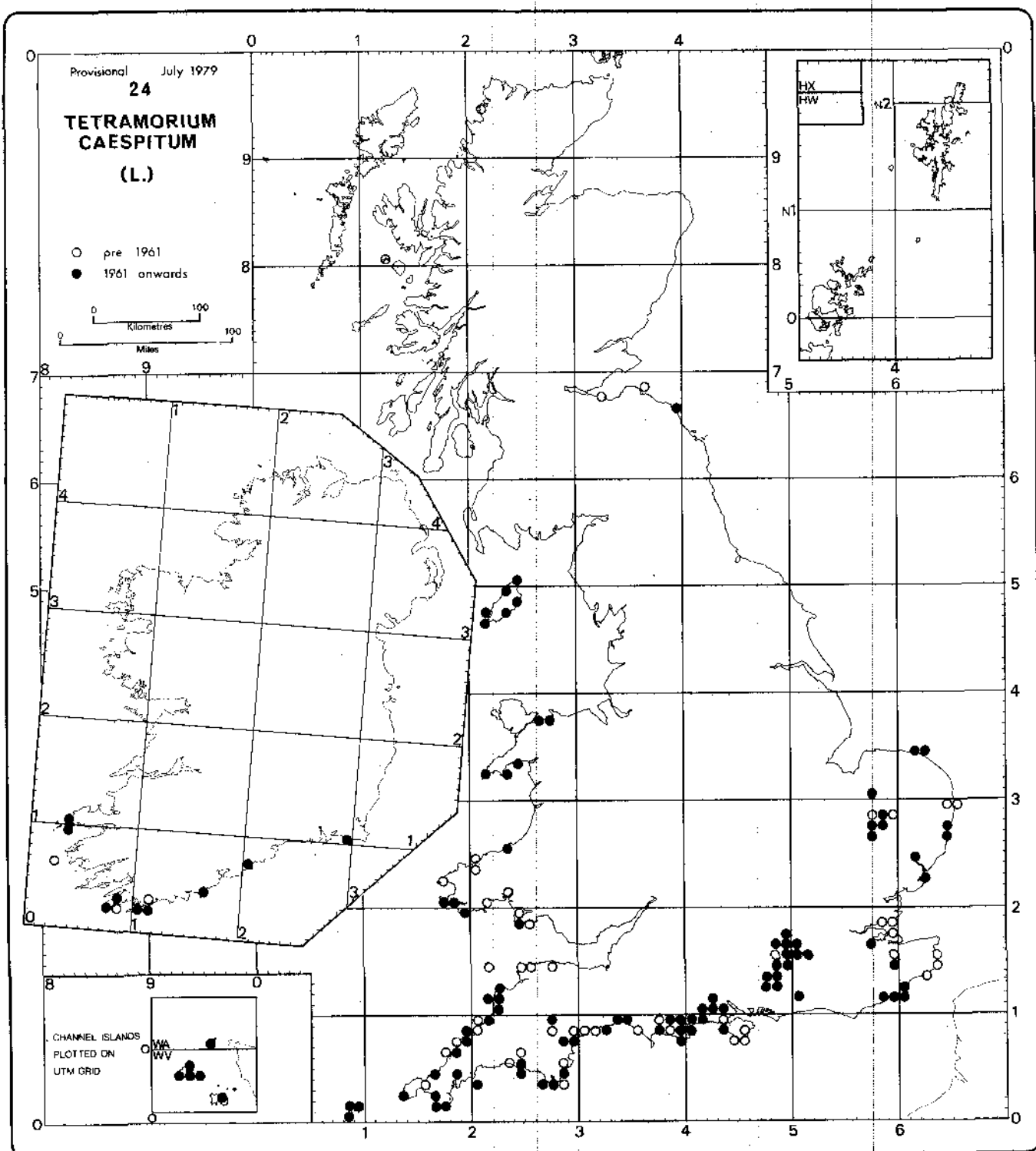
- pre 1961
- 1961 onwards

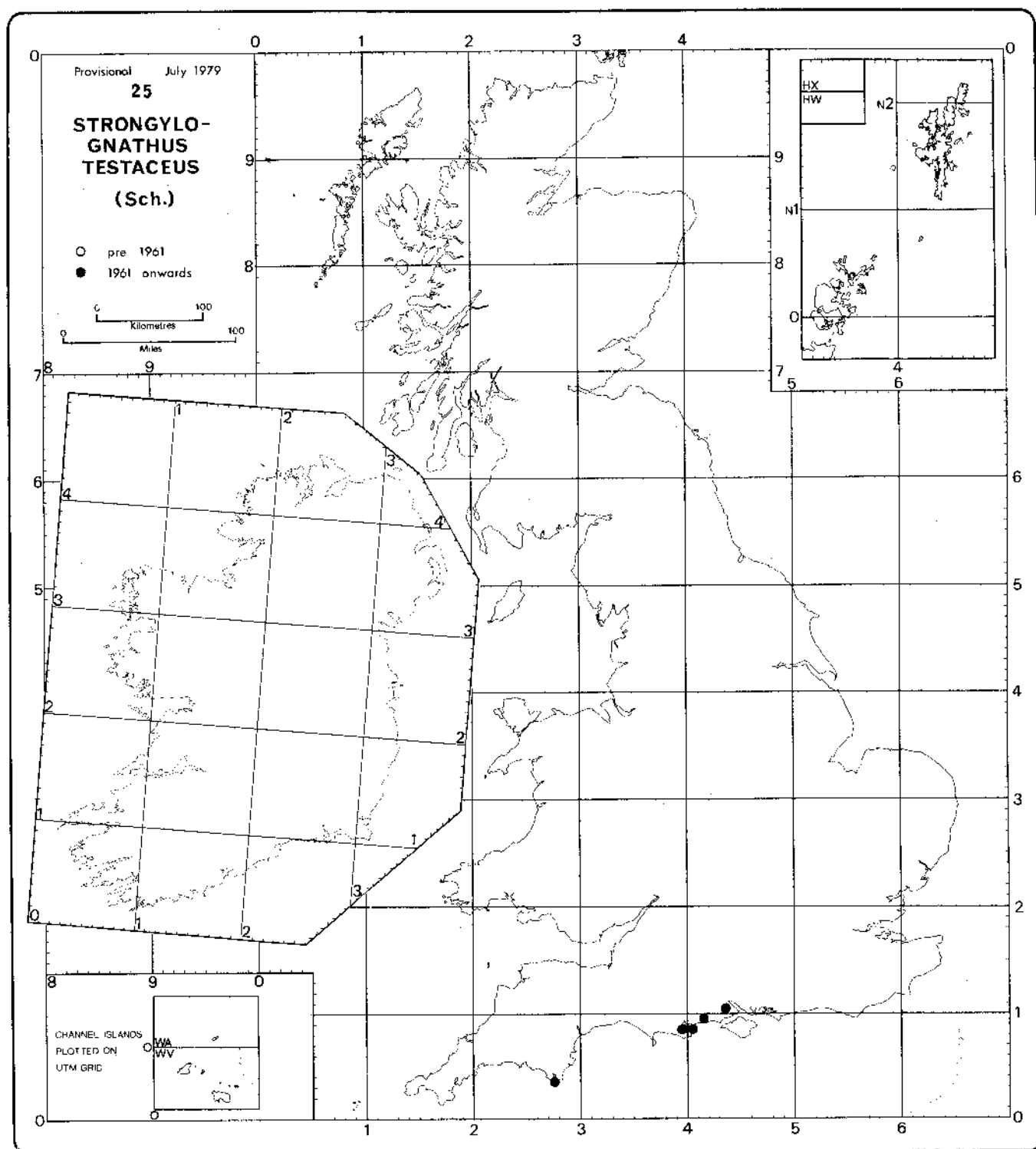
0 100
 Kilometres
 0 100
 Miles



CHANNEL ISLANDS
 PLOTTED ON
 UTM GRID







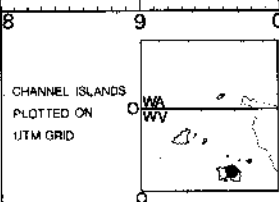
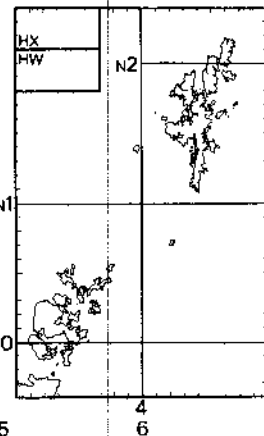
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26

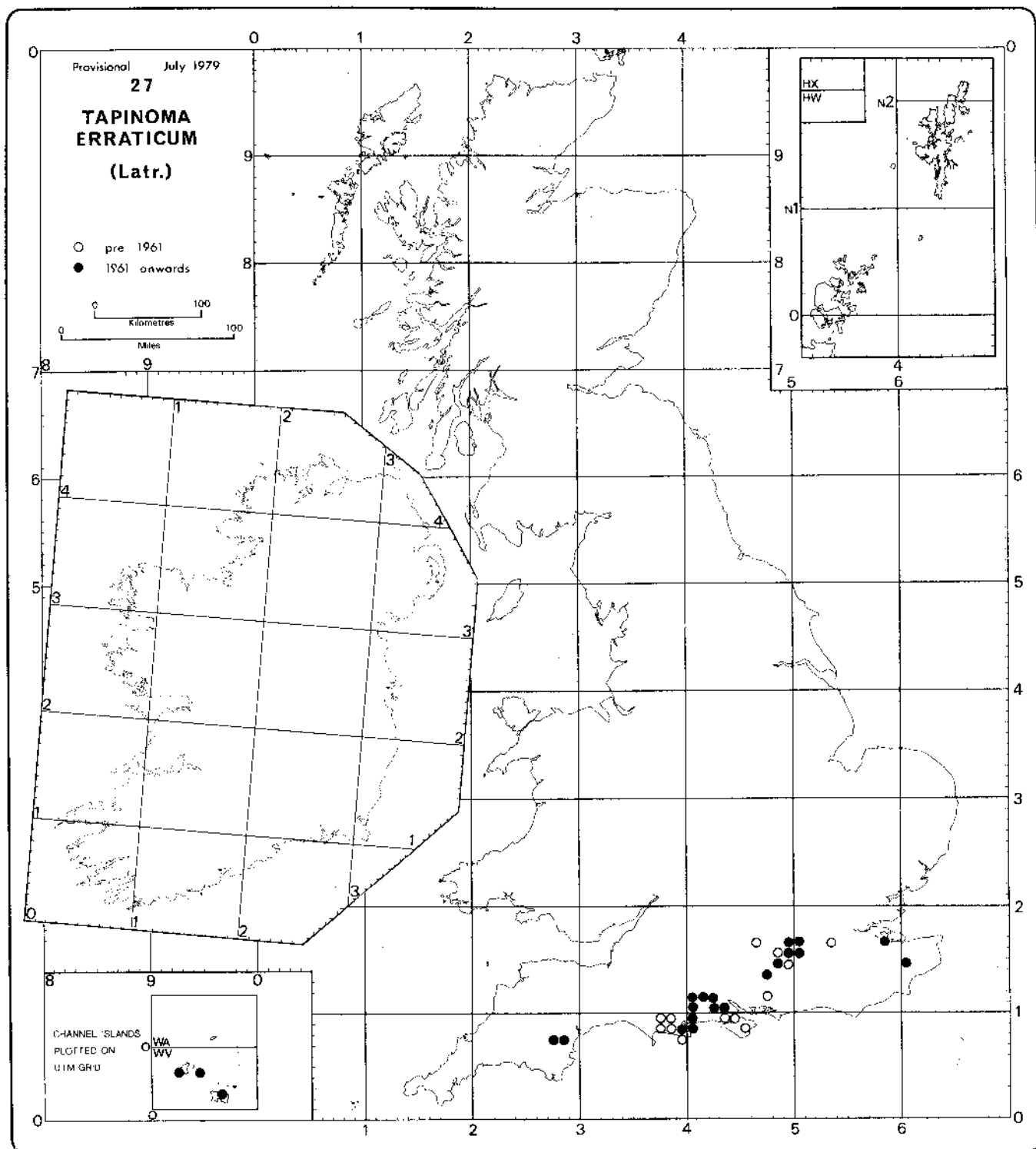
**ANERGATES
ATRATULUS
(Sch.)**

- pre 1961
- 1961 onwards

0 100
Kilometres
0 100
Miles



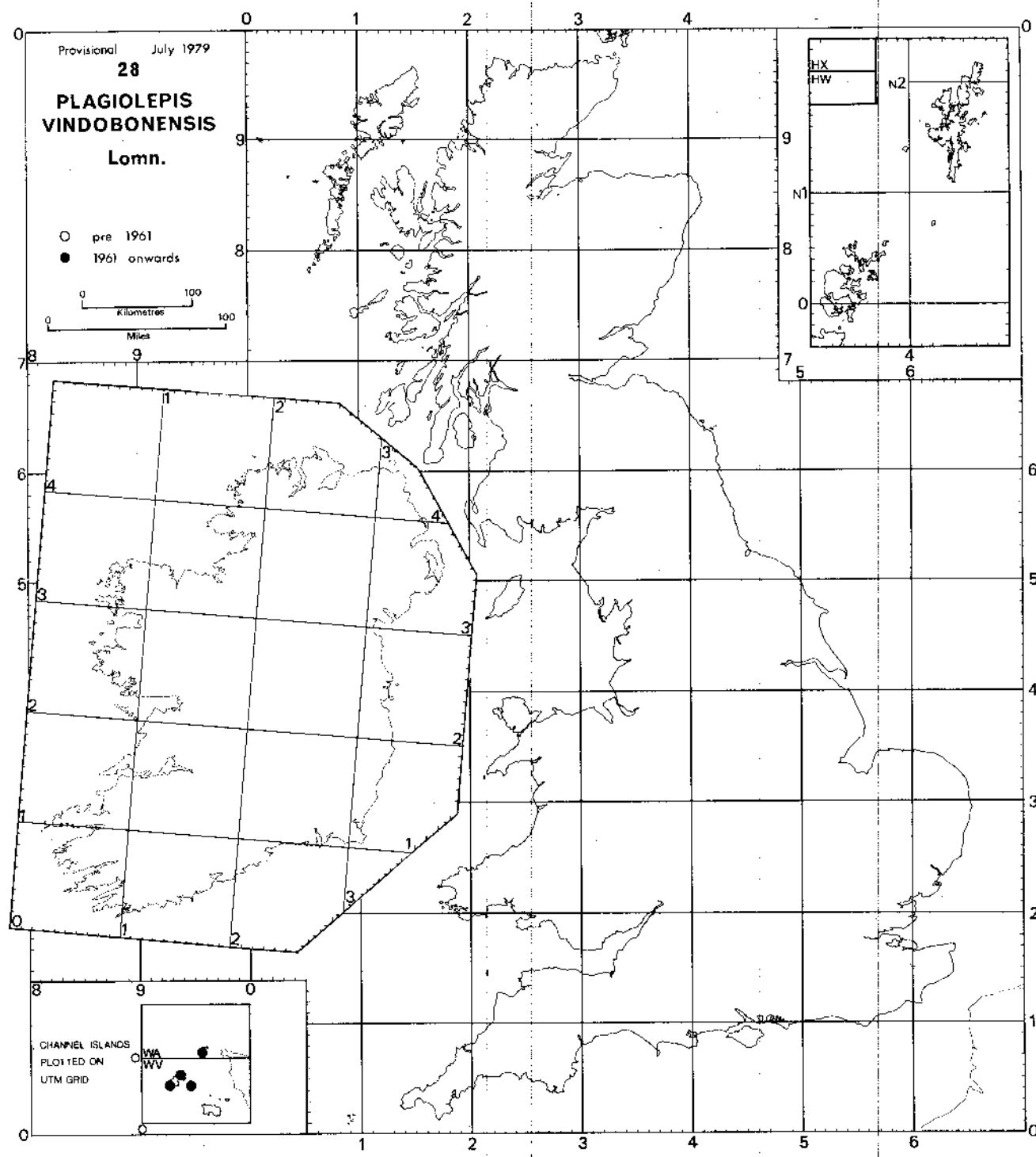
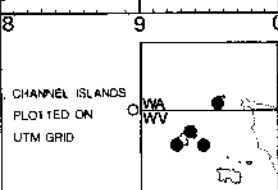
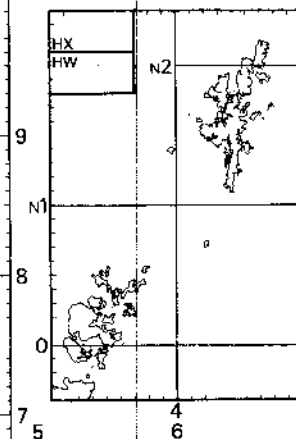
CHANNEL ISLANDS
PLOTTED ON
UTM GRID

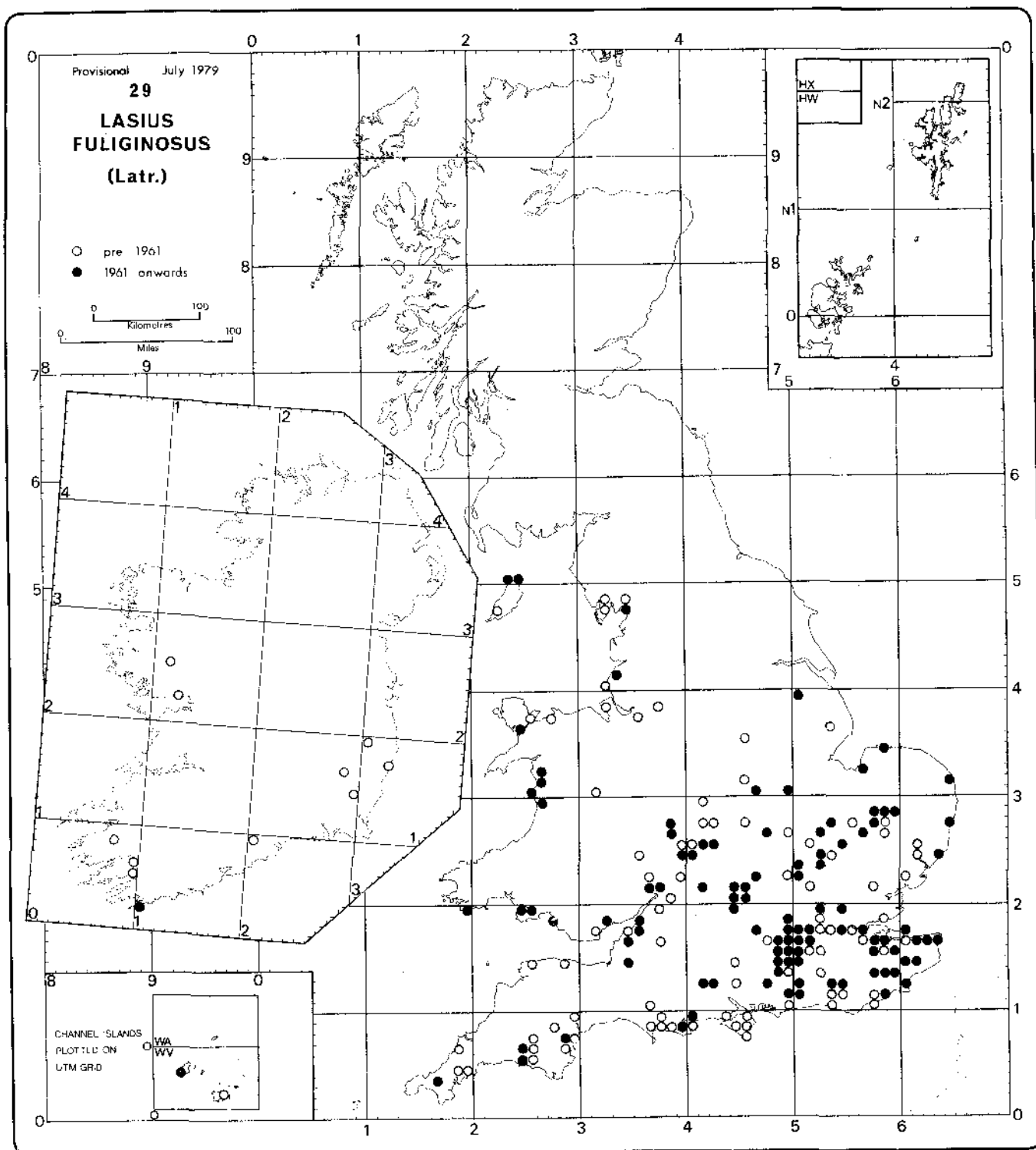


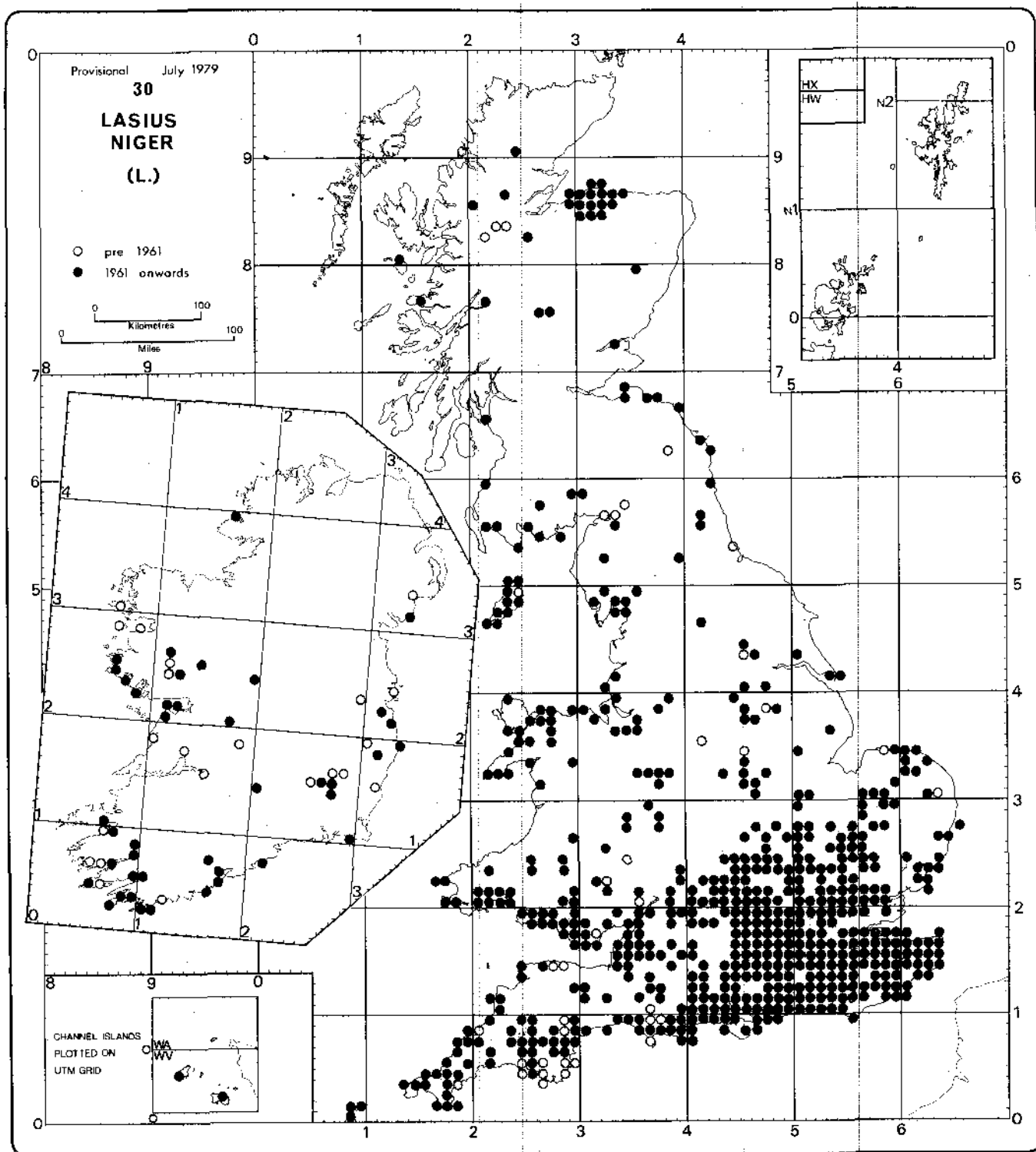
Provisional July 1979
28
PLAGIOLEPIS
VINDBONENSIS
 Lomn.

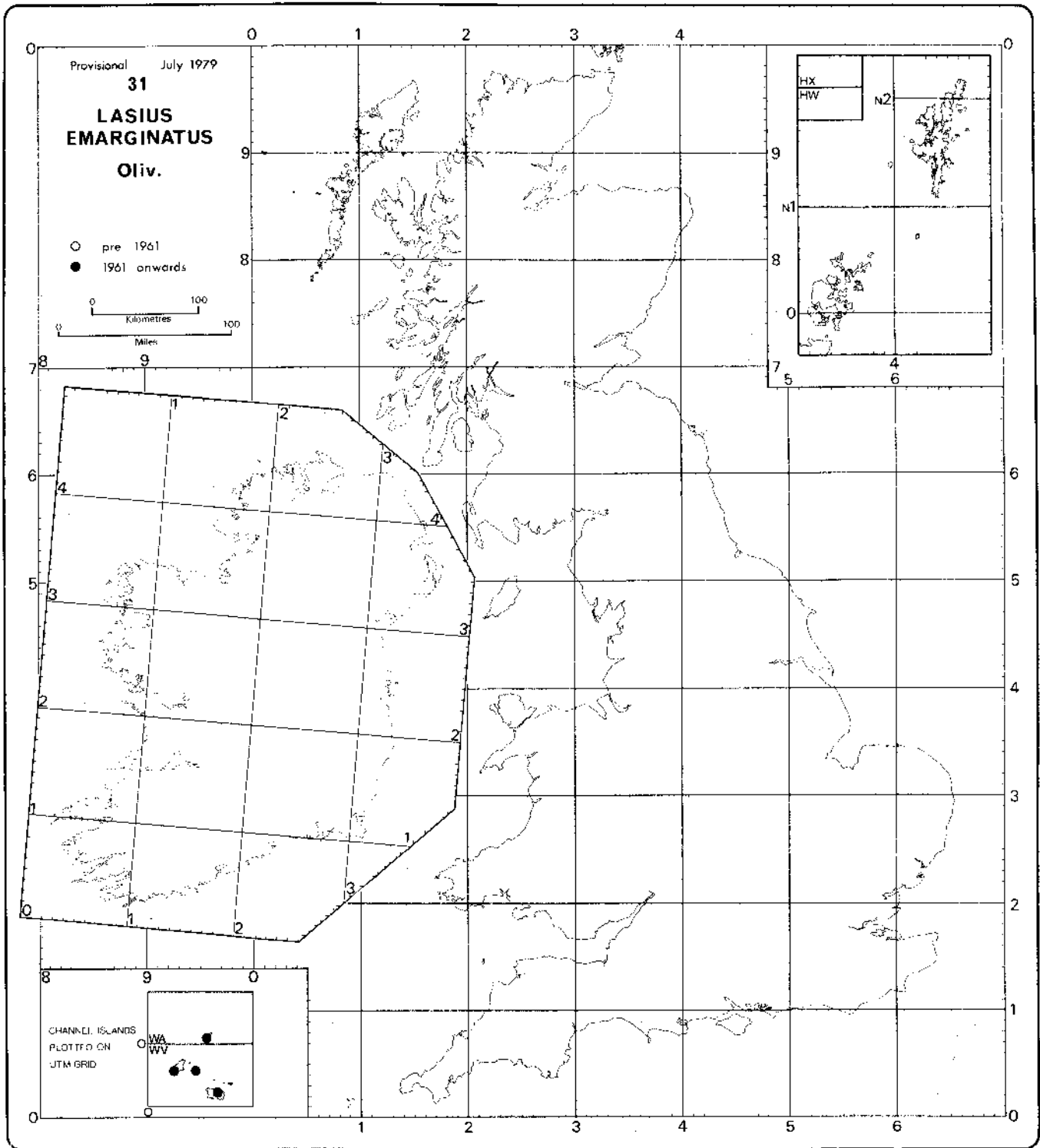
- pre 1961
- 1961 onwards

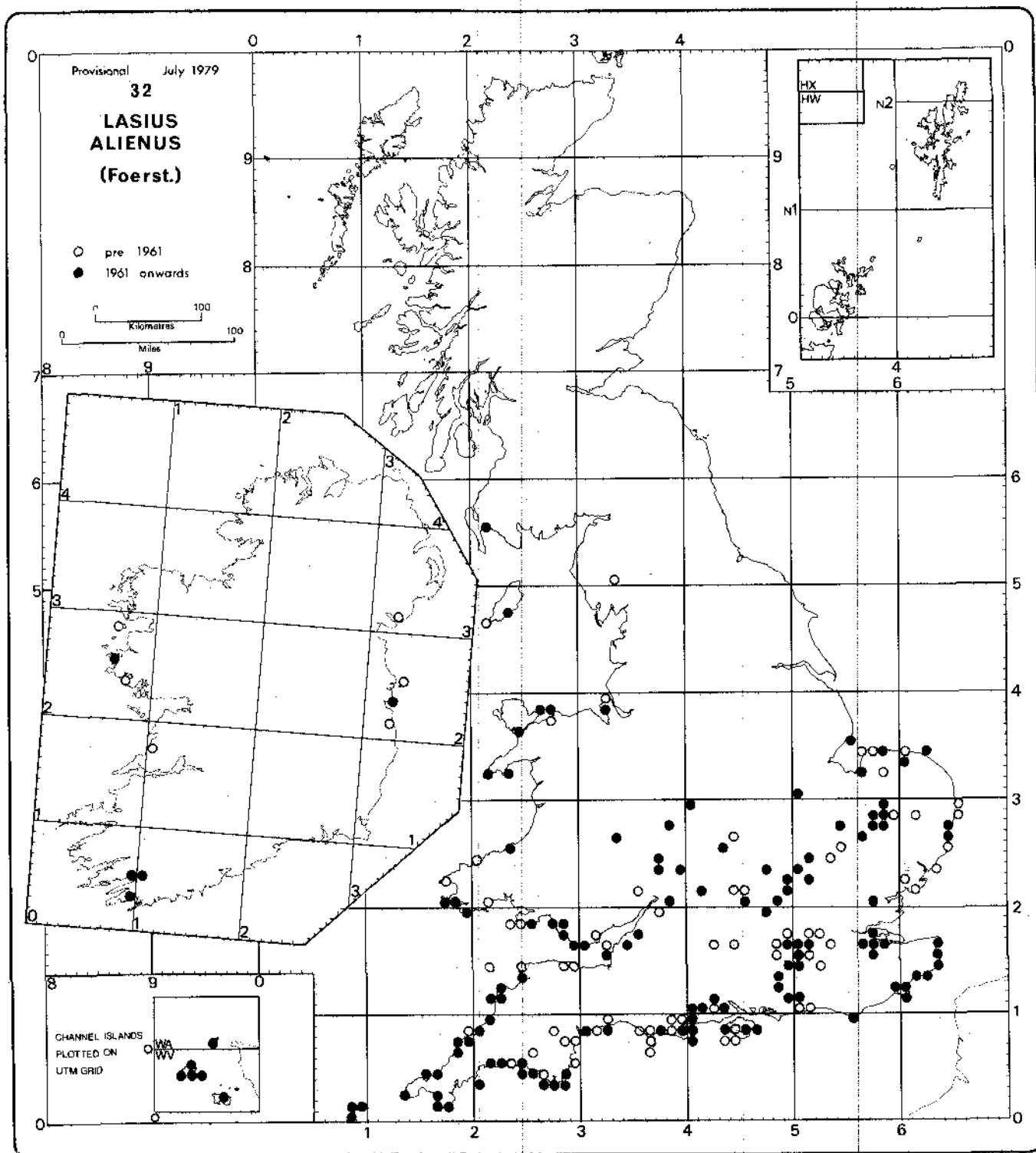
0 100
 Kilometres
 0 100
 Miles

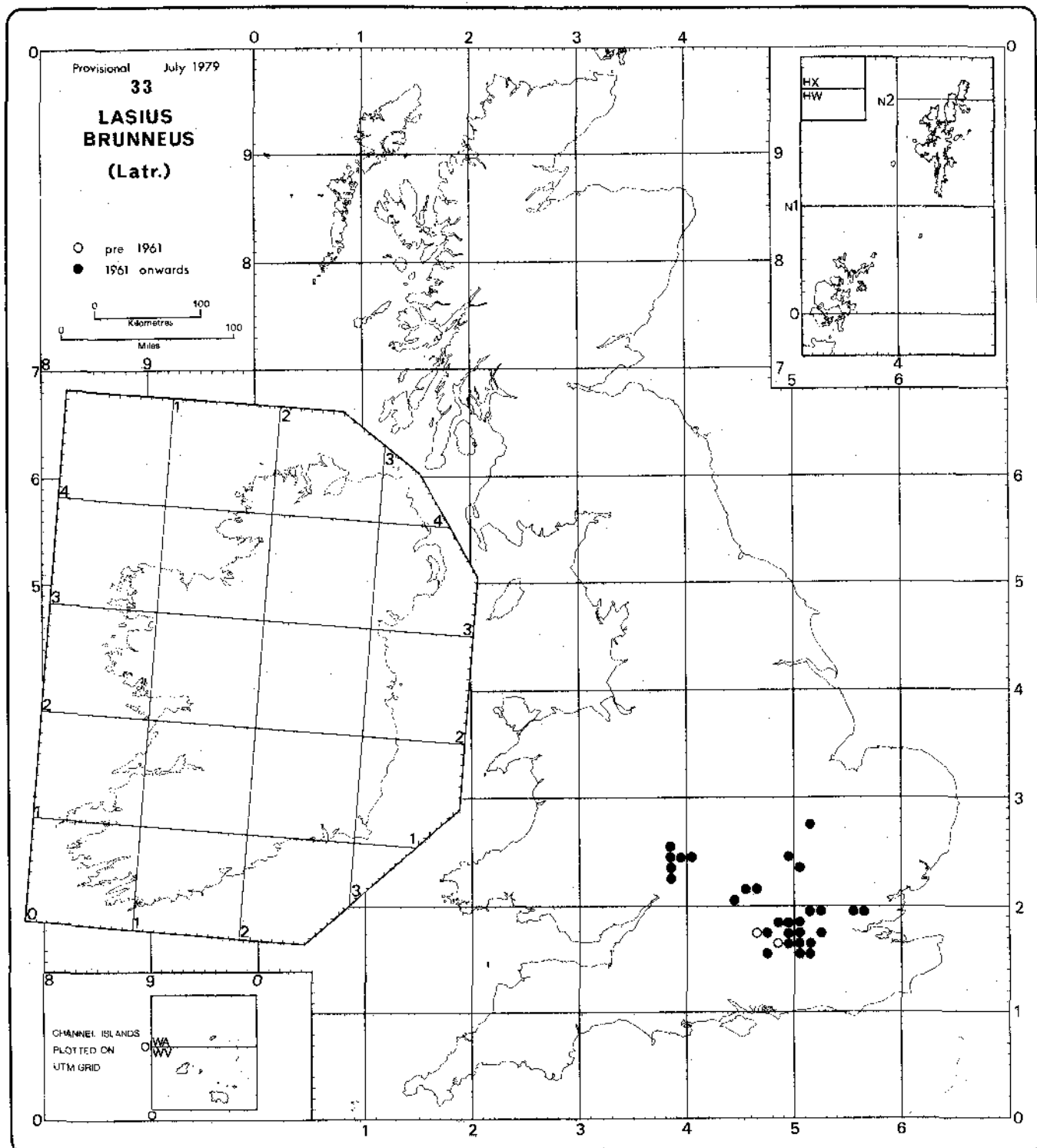


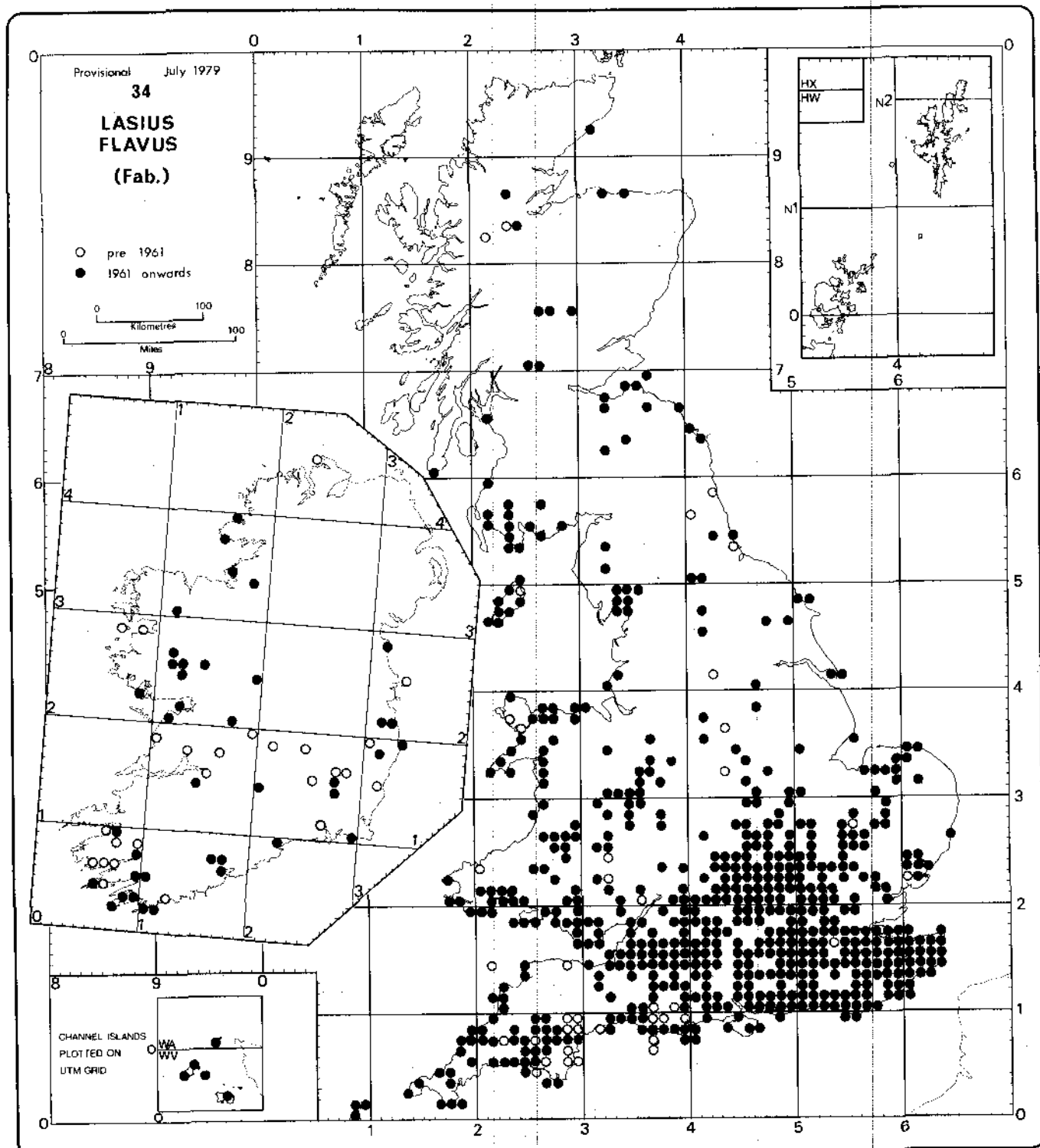


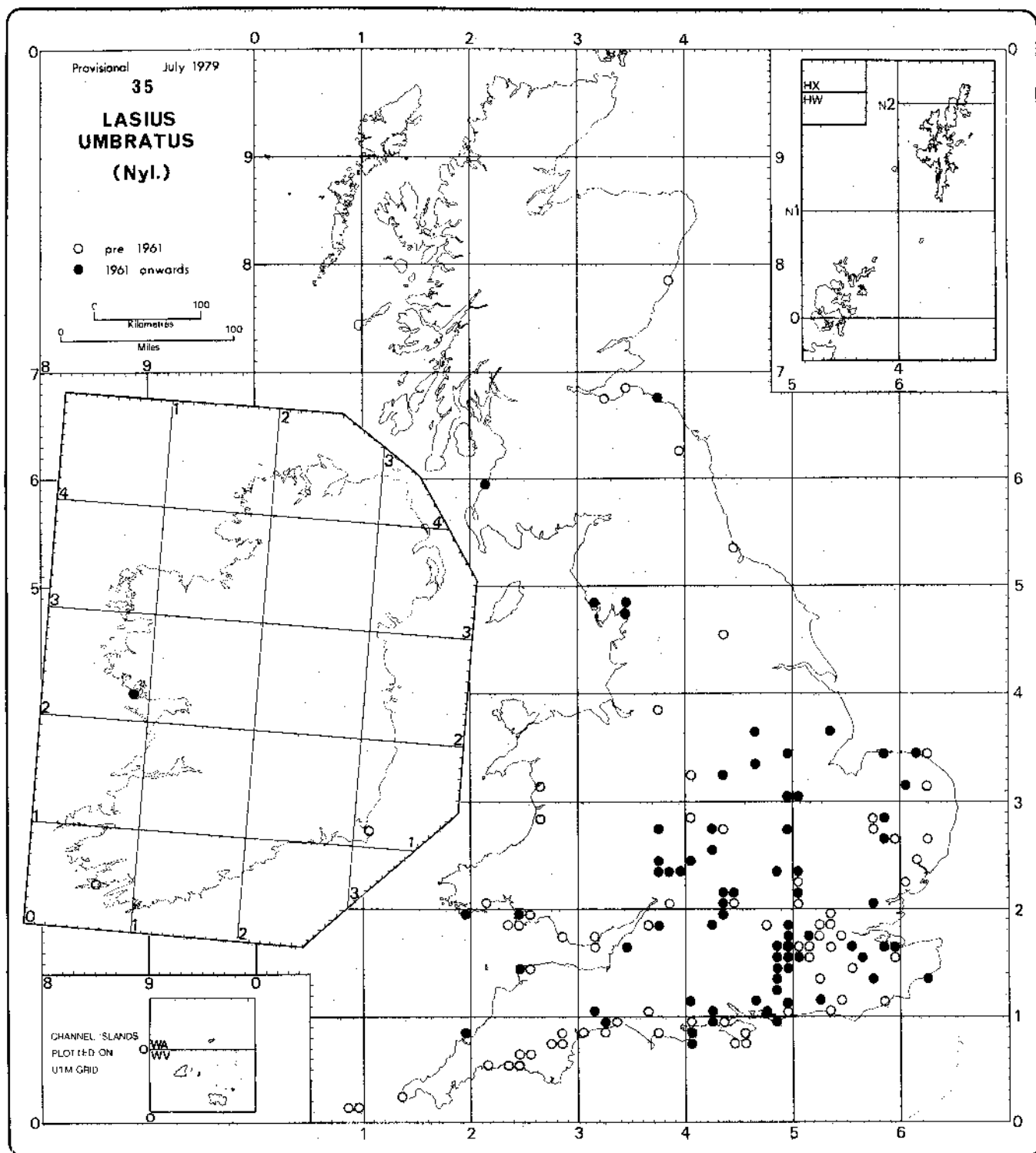










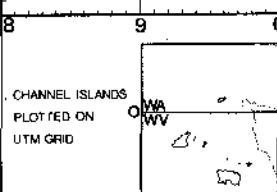
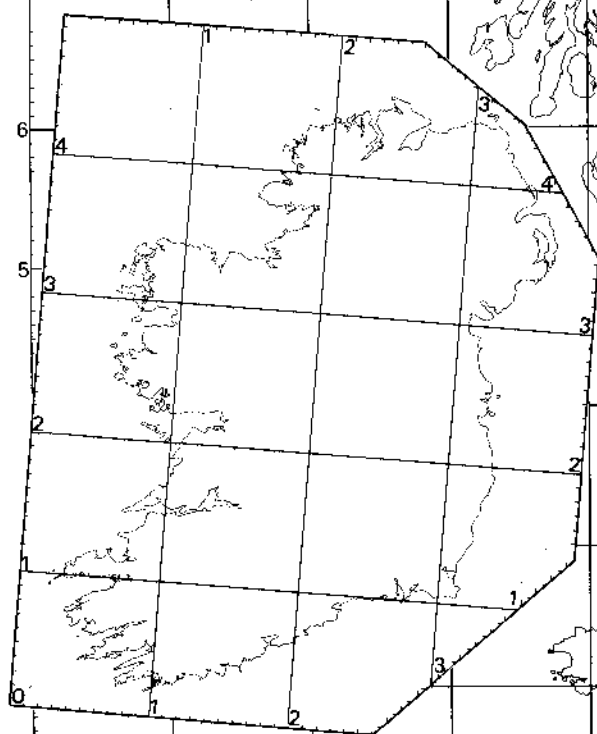
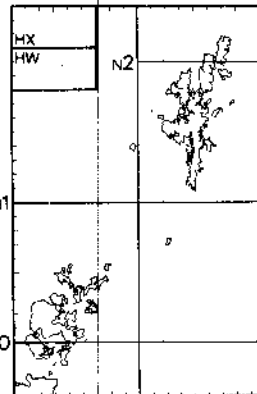


Provisional July 1979

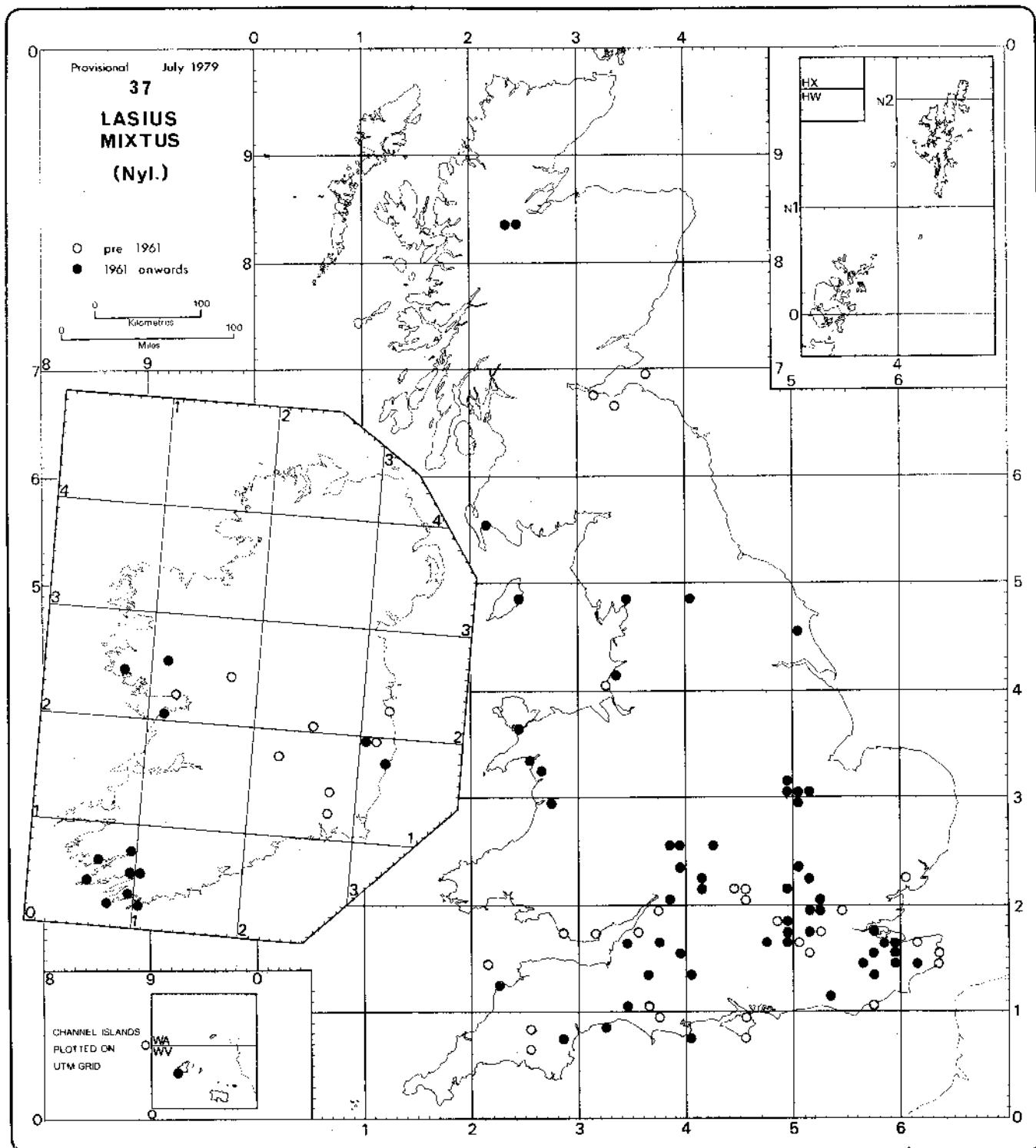
36
LASIUS
RABAUDI
(Bond.)

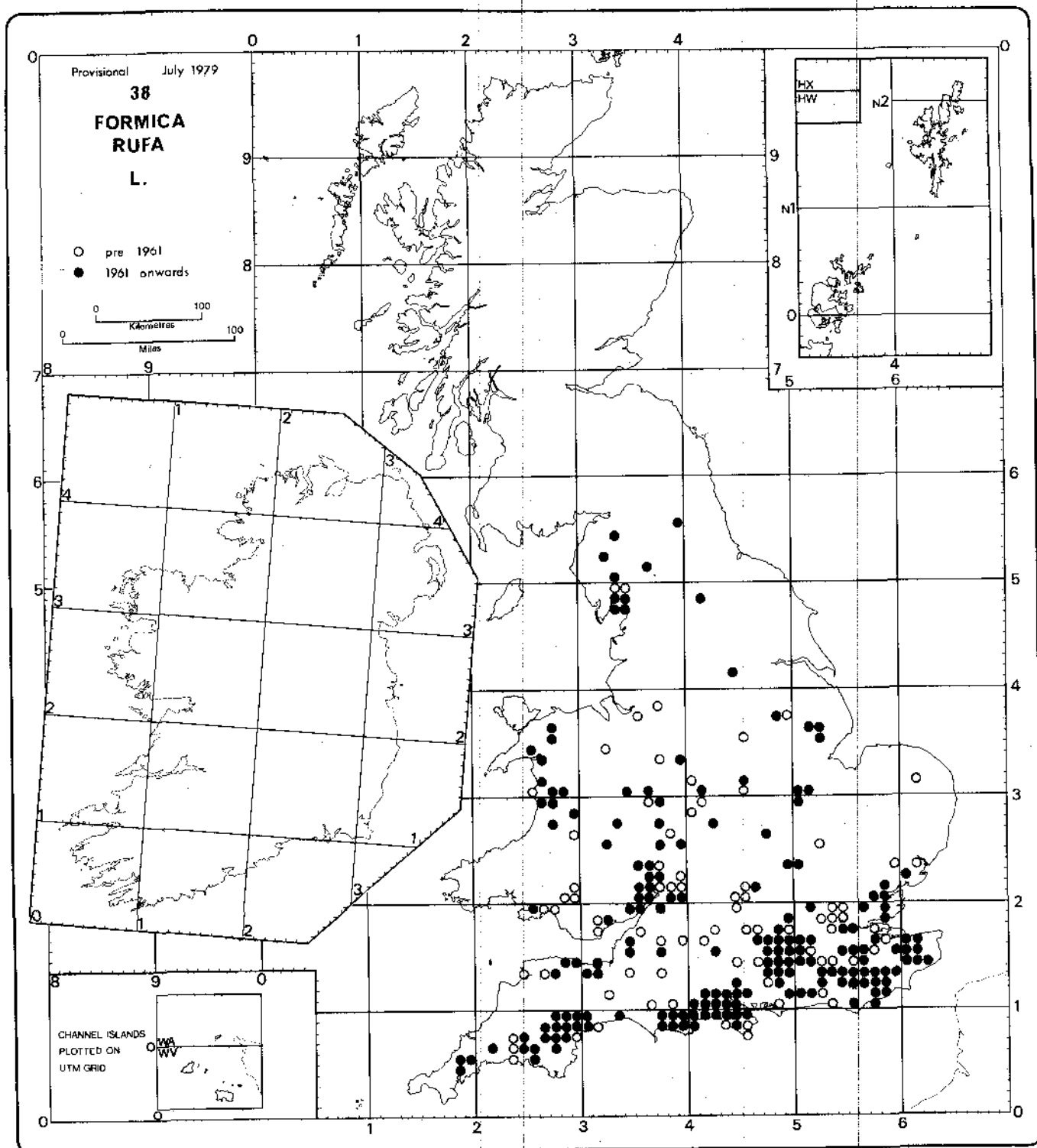
- pre 1961
● 1961 onwards

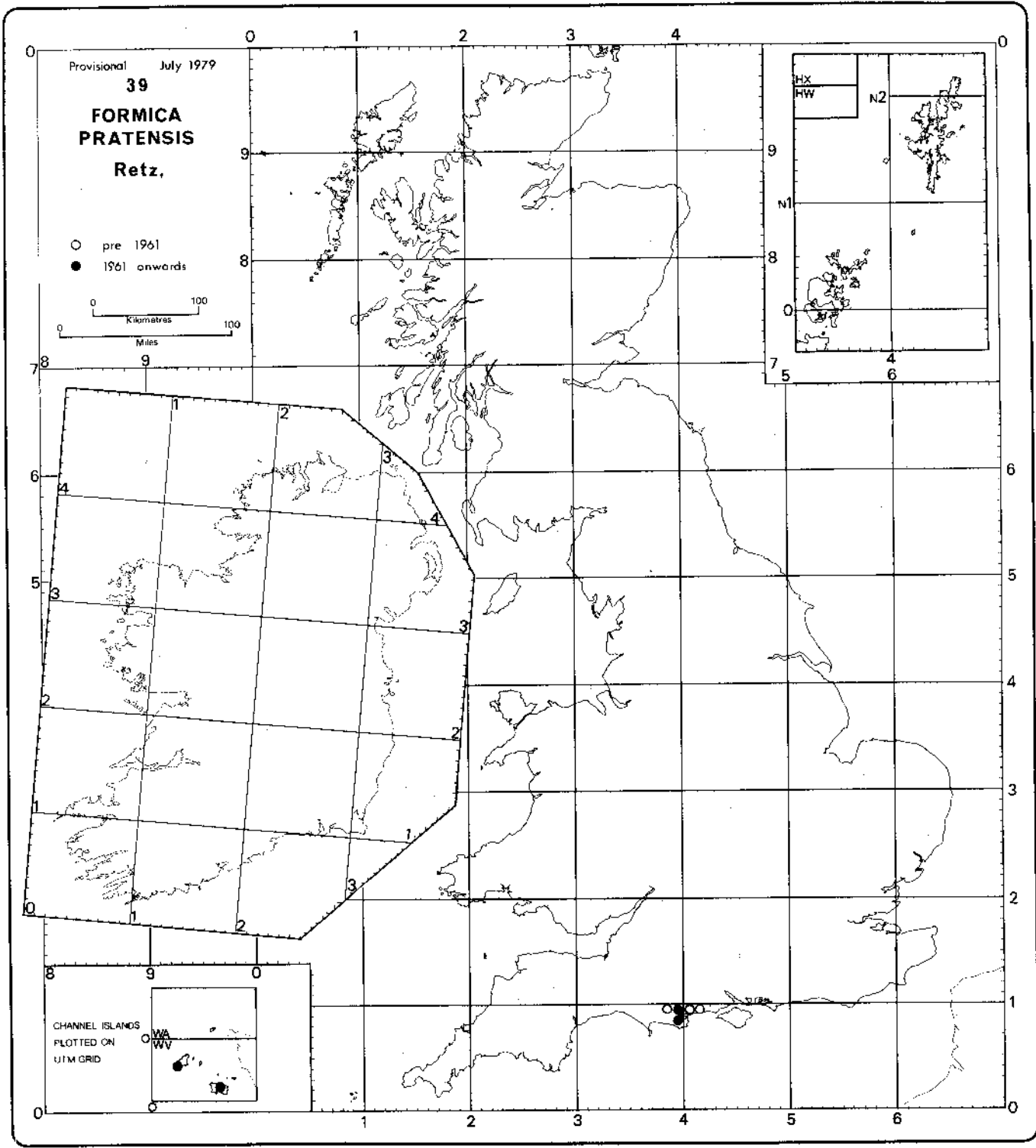
0 100
Kilometres
0 100
Miles

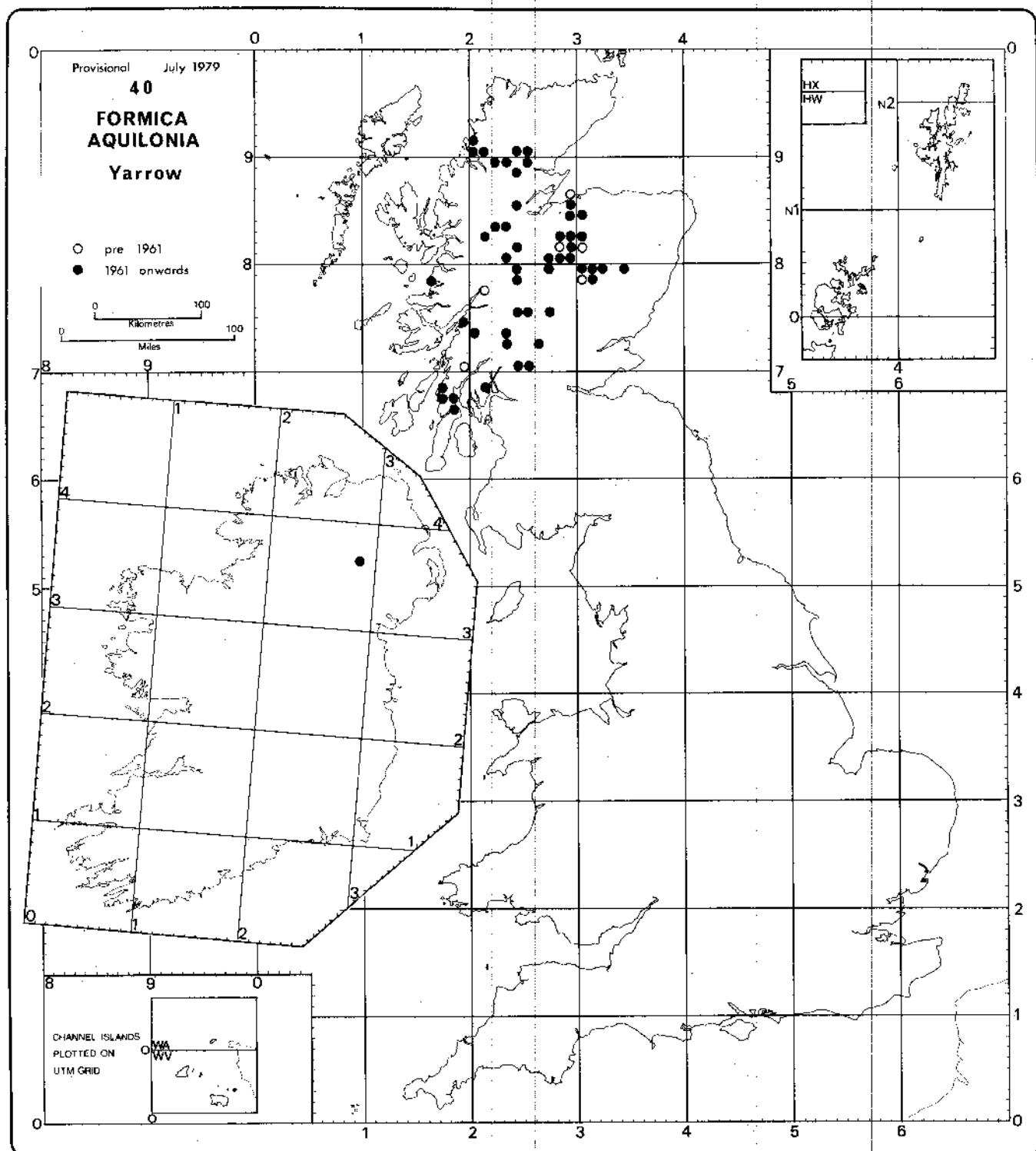


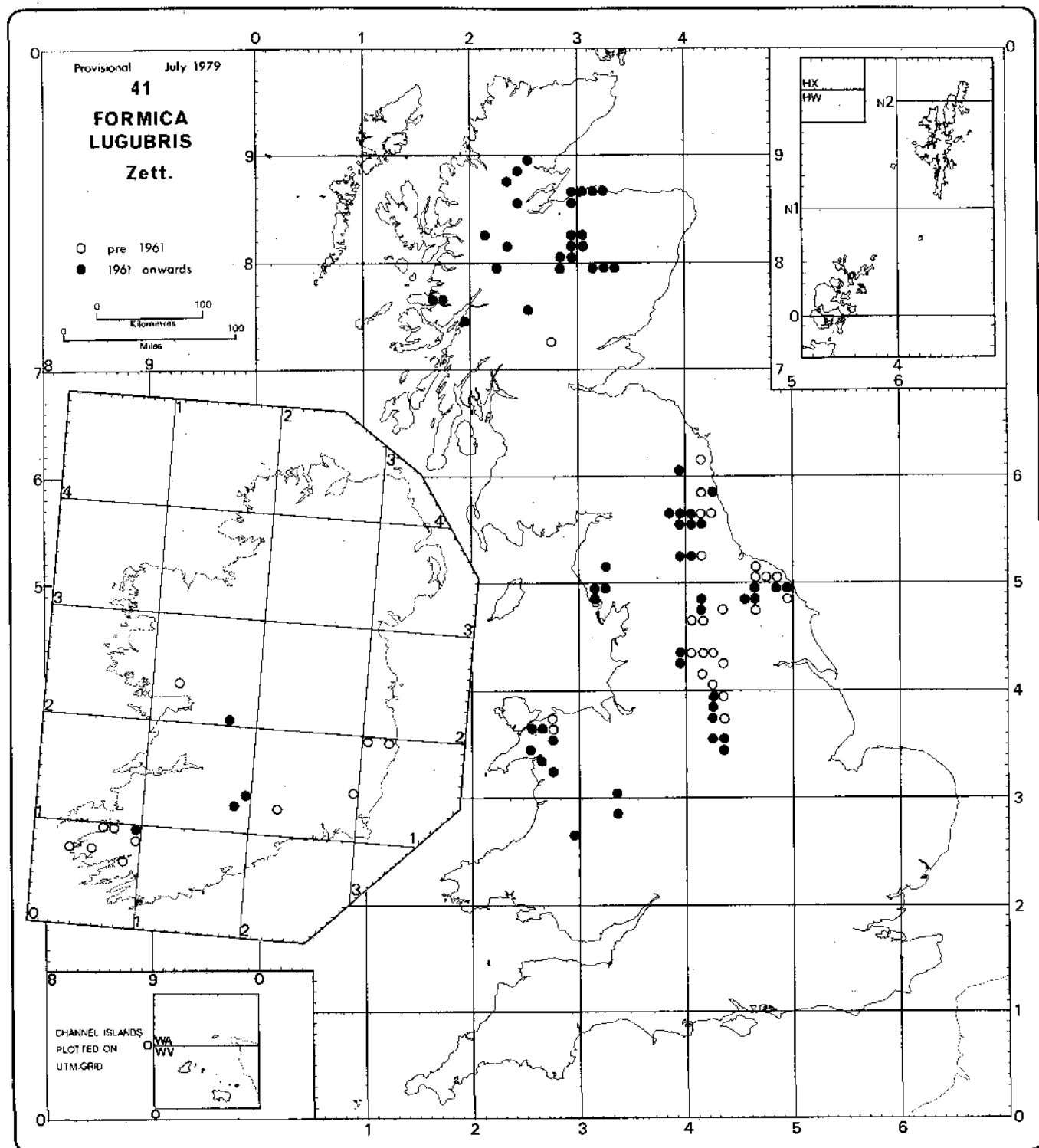
CHANNEL ISLANDS
PLOTTED ON
UTM GRID









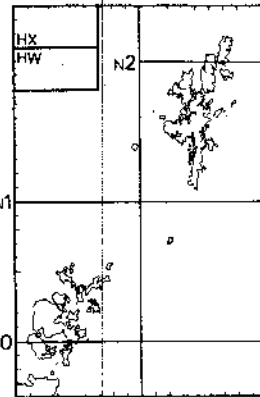


Provisional July 1979

42
FORMICA
EXSECTA
Nyl.

- pre 1961
● 1961 onwards

0 100
Kilometres
0 100
Miles



CHANNEL ISLANDS
PLOTTED ON
UTM GRID

